



**NUST**  
SCHOOL OF ELECTRICAL  
ENGINEERING & COMPUTER  
SCIENCE (SEECs)

NUST SEECs - School of Electrical Engineering & Computer Science

# SEECs

## GRADUATE BOOKLET

BSCS - Bachelor of Science in Computer Science

CLASS OF  
**2025**

Faculty of  
Computing



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## NUST - SEECS

School of Electrical Engineering and Computer Science (SEECS) symbolizes a paradigm shift in the culture of higher education in Pakistan. It stands tall as an institute with a progressive vision and dynamic focus on the key imperatives of sound engineering education marked by quality of instruction and research on its newly built campus in the idyllic setting of federal metropolis.

Today it is one of the enviable seats of higher engineering education in Pakistan with an ambition to have a prestigious global stature of its own. It already enjoys international recognition as a centre of excellence. The school is fully committed to the promotion of IT and engineering education, marked by creativity, innovation and life-long learning.



## Faculty of Computing

### Message from Associate Dean

## Prof. Dr Rafia Mumtaz

### Dear Students of the Graduating Batches of Computer Science and Software Engineering,

As you stand at the threshold of completing your undergraduate journey, I want to take a moment to recognize the dedication, resilience, and growth that have brought you to this point. This phase, filled with anticipation, reflection, and excitement, marks the beginning of a new chapter, and it is truly a moment to be proud of.

Over the past few years, you've navigated through complex codes, late-night deadlines, collaborative projects, and unexpected challenges, emerging each time with greater strength and deeper insight. You've not only gained technical knowledge but also learned to think critically, solve real-world problems, and adapt in an ever-evolving digital landscape.

You are entering a world that urgently needs ethical technologists, innovative thinkers, and compassionate leaders. Whether you choose to dive into industry, pursue research, or carve out your path, I have no doubt that you will make a meaningful impact.

We look forward to celebrating your graduation soon and watching you thrive as proud ambassadors of NUST.

May you continue to lead with integrity, dream boldly, and never stop learning.

## Faculty of Computing

Faculty of computing at SEECs carries out research and education in the areas of computer science and software engineering. The department offers highly acclaimed Bachelors and Masters Programs whose alumni have outstanding success rate in industry and academia. Almost all of our students are either employed in lucrative positions in industry, or studying in high quality universities around the world. The department also offers PhD programs in Information Security, Information Technology and Computer Science to fulfill the requirement of qualified researchers and academics in universities and research centers in Pakistan.

### Academics

The department strives to provide world-class education to its students, by emphasizing conceptual learning, critical thinking and creative-solving in all of its courses. Most technical courses have hands-on lab components to encourage the practice of "learning by doing". Our curriculum is based on the HEC-approved Curriculum and also follows the recommendations of ACM and IEEE. We encourage faculty members to include in their courses projects and assignments that can spur creativity and innovation among our students. In this way, we provide our students the skills and abilities needed to achieve excellence in their career, academics pursuits, and life in general.

### Faculty

The department is proud to have at its service a core of highly qualified faculty members, most of whom hold PhDs in their respective fields. The faculty is involved not just in teaching activities, but also spends a large portion of their time doing research at the cutting-edge of computing technology. Most faculty members have publications in reputed international conferences, research journals and books.

### Research

Research in the Faculty of Computing spans the entire range of computing. Some of the active research areas in the Department include:

- High-performance Computing
- Multi-agent Systems
- Web Technology
- Internet of things
- Cyber security & Computer Forensics
- Big Data
- Artificial Intelligence & Machine Learning
- Database Systems
- Computer Networking
- Semantic Web and Knowledge Representations
- Tele-medicine and Surgical Robotics
- Medical Imaging

## International Collaborations

The Department of Computing enjoys a wide network of collaborations with industry and university partners, both in Pakistan and abroad. Within Pakistan, department works closely with industry to improve its courses in step with industries' requirements, undertake joint research and development projects, set up internship opportunities for students, and arrange workshops and seminars to keep students aware of the latest trends in computing technology. The Department also shares academic collaboration with some of the world's top universities and research centers, including the European organization for Nuclear Research (CERN), California Institute of Technology, Stanford University, TUKL University Germany, University of North Carolina at Charlotte, University of Portsmouth, EPFL Lausanne, Switzerland and Telecom SudParis, France. This enables the department to conduct high-quality collaborative research with some of the top scientists in their respective fields. Many students are also given the chance to visit these research centers and work closely with the top minds in their fields.

## Lab Facilities

Research facilities at Department of the following labs:

1. China-Pakistan Intelligent Systems (CPInS)
2. TUKL
3. IOT
4. High Performance Computing (HPC)
5. Machine Vision and Intelligent Systems Lab (MachVIS lab)
6. Knowledge-Based Systems (KBS)
7. KTH
8. Deep Learning Laboratory (DLL)
9. Information Security & Privacy Lab
10. NUST COVENTRY IoT Lab
11. Pak Thai Digital Innovation Lab
12. NUST BEIHANG Research Center: Remote Sensing Lab
13. Walee NUST Center of Excellence for Digital and Social Media Technologies

Teaching Labs also play a vital role in training and development of students. These include:

1. Computing Lab 1 (Shirazi Lab)
2. Computing Lab 2 (Fabi Lab)
3. Computing Lab 3 (Biruni Lab)
4. Computing Lab 4 (Babbage Lab)
5. Computing Lab 5 (Turing Lab)
6. Computing Lab 6 / IBM/CERN Lab
7. Media Lab

## Associate Dean Dr. Rafia Mumtaz University of Surrey, UK

Dr Imran Malik PhD - Universität Kaiserslautern	Dr. Muhammad Moazzam Fraz PhD - Kingston University of London, UK
Dr. Fahad Ahmed Satti PhD - Kyung Hee University, Korea	Dr. Seemab Latif PhD - University of Manchester, UK
Dr. Mehdi Hussain PhD - University of Malaya, Malaysia	Mr. Maajid Maqbool MS - University of Windsor, Canada
Dr. Nazia Perwaiz PhD - NUST, Pakistan	Dr. Mehwish Fatima PhD - Heidelberg University, Germany
Dr. Rabia Irfan PhD - NUST, Pakistan	Dr. Mehwish Awan PhD - Sungkyunkwan University, Korea
Dr. Muhammad Zeeshan PhD - NUST, Pakistan	Dr. Muhammad Khuram Shahzad PhD - Sungkyunkwan University, Korea
Dr. Qaiser Riaz PhD - University of Bonn, Germany	Dr. Shah Khalid PhD - Jiangsu University, China
Dr. Shams Qazi PhD - University of Australia, Australia	Dr. Syed Imran Ali PhD - Kyung Hee University, Korea
Dr. Hasan Tahir PhD - University of Essex, UK	Dr. Madiha Khalid PhD - Bahria University, Pakistan
Dr. Sana Qadir PhD - International Islamic University Malaysia	Dr. Arham Muslim PhD - RWTH Aachen, Germany
Mr. Jaudat Mamoon MS - EPFL Lausanne, Switzerland	Dr. Junaid Younus PhD - Technical University of Kaiserslautern, Germany
Dr. Muhammad Sohail Iqbal PhD - University of Paris-Est, France	Dr. Farzana Jabeen PhD - TSINGHUA UNIVERSITY BEIJING, China
Ms. Sara Tariq Sheikh MS - NUST, Pakistan	Dr. Fatima Abdullah PhD - Kyungpook National University, Korea
Dr. Tahira Anwar Lashari PhD - UTHM, Malaysia	Dr. Aimal Tariq Rextin PhD - University of Limerick, Ireland
Ms. Ayesha Kanwal MS - NUST, Pakistan	Dr. Ayesha Maqbool PhD - The University of Sheffield, UK
Dr. Daud Abdullah Asif PhD - Griffith University, Australia	Dr. Faisal Shafait PhD - University of Kaiserslautern, Germany
Dr. Hashir Moheed Kiyani, PhD - University of Manchester, England	Ms. Hirra Anwar MS - NUST, Pakistan
Dr. Ayesha Hakim PhD - Massey University, New Zealand	Dr. Mehvish Rashid PhD - Dublin City University, Ireland
Dr. Rafi Ullah Chamlawi PhD - PIEAS, Pakistan	Ms. Mehwish Kiran MS - SZABIST, Pakistan
Dr. Momina Moetesum PhD - Bahria University, Pakistan	Dr. Muhammad Ashraf PhD - Middle East Technical University, Ankara, Turkey
Dr. Muhammad Bilal Ali PhD - Kyung Hee University, Korea	Ms. Naema Asif MS - Kyung Hee University, Korea
Dr. Sidra Sultana PhD - NUST, Pakistan	Mr. Taufiq-ur-Rehman MS - NUST, Pakistan
Dr. Zuhair Zafar PhD - Technische Universität Kaiserslautern, Germany	

# Bachelors of Science in Computer Science (BS CS)

## Program Description

The BSCS program is a new program offered by SEECs. The aim of the degree is two-fold: firstly, to create well-rounded computer Scientists who will fulfill the demand for computer science researchers and software developers in Pakistan and secondly to nurture entrepreneurship among the young computer scientist to promote innovation at the national level. The emphasis of the entrepreneurship in the program will hopefully give worth to new developments in the field of computing. The students of this program will help in strengthening research projects in core computer science areas and bring new ideas for establishing independent business that shall contribute towards the economy of the country.

## Unique Features

The aim of the Bachelors in Computer Science degree is to produce computer professional who can create new technologies and ideas, and devise new ways to vies computers. The degree in CS can open doors in to the professional words of many other disciplines. Our CS program serves those students who wish to proceed as entrepreneurs or generalists in computing or who aspire for graduated studies, research positions, or cross-disciplinary innovation. This program develops skills in students for applying the concepts, principles, and practices in Computer Science for analyzing and solving real world problems to support industry as well as research and development organizations. The students are provided effective personal development and team-work skills for continuing professional growth and life-long learning and awareness of their social, professional and ethical responsibilities in national and international environment.

## Important Courses

The CS program will contain mandatory courses in the areas of Artificial Intelligence, Compiler Constructions, Theory of Automata and Formal Languages, Scientific Computing and analysis of algorithm in addition; the CS program will contain courses like Introduction to Management, Strategic Marketing and Management, Entrepreneurship, Intellectual Property, Accounting and New Business Ventures to encourage entrepreneurship in the students.

## Career Outcomes

Computer Science graduated have a world of career opportunities before them. The CS professionals can generate and implement creative solutions to difficult problems and can train the next generation of computer scientist and software professionals. They can not only work as entrepreneurs but also have the option to work as software developers and analysts in different sectors such as software industry, telecommunications, fiancé, health care etc. In addition, the CS program develops a strong background for perusing higher education and research. Graduated from our program can study and do research at the best universities and institutes around the world.

## BSCS-Curriculum

S. No.	Course Code	Subjects		Semester
1.	CS100	Fundamentals of ICT	3	1st
2.	CS110	Fundamentals of Computer Programming	4	
3.	HU101	Islamic Studies	2	
4.	HU109	Communication Skills	3	
5.	MATH111	Calculus-I	3	
6.	MATH161	Discrete Mathematics	3	
Total CHs			18	
1.	CS212	Object Oriented Programming	4	2nd
2.	EE221	Digital Logic Design	4	
3.	MATH112	Calculus II (CS Supporting I)	3	
4.	PHY101	Applied Physics	4	
5.	HU-107	Pakistan Studies	2	
6.	MGT164	Intro. to Mgt. (university elective I)	2	
Total CHs			19	
1	MATH361	Prob. & Statistics		3rd
2	CS235	Computer Organization and Assembly Language		
3	CS250	Data Structures & Algorithms		
4	HU212	Technical & Business Writing		
5	MATH222	Linear Algebra		
Total CHs				
1.	CS251	Design & Analysis of Algorithms		4th
2.	CS330	Operating Systems		
3.	EE321	Comp. Arch. & Org.		
4.	CS220	Database Systems		
5.	CS344	Web Engineering (CS elective I)		
Total CHs				
1.	SE200	Software Engineering		5th
2.	EE353	Computer Networks		
3.	EE-433	Digital Image Processing		
4.	HU-102	Psychology		
5.	CS260	Human Computer Interaction (CS elective I)		
Total CHs				

1.	CS352	Theory of Automata & Formal Languages		6th
2.	HU222	Professional Ethics		
3.	MATH333	Numerical Analysis		
4.	CS332	Distributed Computing		
5.	FIN100	Prin. of Accounting		
6.	CS-370	Artificial Intelligence		
Total CHs				
1.	CS354	Compiler Construction		7th
2.	MGT271	Entrepreneurship		
3.	CS-476	Speech and Image Processing		
4.	CS-381	Network security		
5.	CS-423	Data warehousing and Data mining		
6.	ECO130	Engineering Economics		
Total CHs				
1.	CSL-401	Community Service Learning		8th
2.	CS481	Computer Forensics		
3.	EC303	Mobile Application Development for SMEs		
4.	CS-334	Open Source Systems		
5.	CS-404	Big Data Analytics		
6.	CS-405	Deep Learning		
7.	HU115	Principles of Sociology		
Total CHs				



# Omer Farooq

## Details

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Islamabad , Pakistan

## Technical Skills

- Arcgis
- Typescript
- Mongodb (database)
- Express, nodejs
- Reactjs
- Gis
- Tensorflow, scikit-learn
- Mern stack

## Soft Skills

- Aws cloud specialization
- Basics of adobe photoshop
- Communication oral/written
- Problem solving and innovation
- Good listner
- Photography
- Curiosity

## Reference

To be furnished upon request.

## Professional Profile

**Experience:** Seeking to gain industrial level experience

**Learning:** To enhance my knowledge and to learn new technologies being used to develop and maintain large scale applications

**Exploring:** To explore different fields and to identify the one where i can use my potential most effectively to produce a positive impact on society

**Skills:** To polish my current skills and to develop new ones

**Networking:** To connect to different people and organizations to gain exposure and confidence

## Education

**BS in Computer Science**  
School of Electrical Engineering and Computer Science , 2.93  
**Matric / O levels**  
, (2018)  
**Intermediate / A levels**  
, (2020)  
**Matriculation**  
E.M.S High School , 1017 out of 1100 (2018)  
**FSc**  
Scienta Vision College , 956 out of 1100 (2020)

## Internship Experience



**Deep Learning Lab(DLL), National Center of Artificial Intelligence(NCAI) ( 25-Jul-2022 - 09-Sep-2022 )**


- Self-learning of ML and DL by taking DeepLearning.AI's Machine Learning Specialization and Deep Learning Specialization on Coursera. - Internship project: Cats vs Dogs Binary classification by using transfer learning and then deploying the model on hugging face.

## Projects

### Street Crime Tracking System

The idea was to track people responsible for street crimes. Most of them are on bikes and involved in snatching. I developed a very simple program by using python, pytesseract, open-cv and mysql to identify the flagged bike by tracing its license plate number. By utilizing the CCTV footage, open-cv was used t

	<div>Muhammad Khizer Tariq</div>		<div>Umer Tariq</div>
<div>Details</div> <div>Cell: 923135279367</div> <div>Email: khizertariq633@gmail.com</div> <div>Address:</div> <div>Attock , Pakistan</div>	<div>Professional Profile</div> <div>A Computer Science student with strong research interest in Artificial Intelligence and Theoretical Computer Science</div>	<div>Details</div> <div>Cell: 03099074437</div> <div>Email: official.umartariq@gmail.com</div> <div>Address: H# 3, Sarooj street, Tajbagh housing scheme, Harbanspura</div> <div>Lahore , Pakistan</div>	<div>Professional Profile</div> <div>To secure a position as a <b>MERN</b> stack web or <b>Flutter</b> mobile app developer where I can utilize my skills in coding, problem solving and team collaboration to design and develop innovative solutions using applications.</div>
<div>Technical Skills</div> <div> <ul style="list-style-type: none"> <li>Python and bash scripting</li> <li>C, c++, java and python</li> <li>Machine learning</li> </ul> </div>	<div>Education</div> <div> <b>BS in Computer Science</b>  School of Electrical Engineering and Computer Science , 2.95  <b>Matric / O levels</b>  , (2019)  <b>Intermediate / A levels</b>  , (2021) </div>	<div>Technical Skills</div> <div> <ul style="list-style-type: none"> <li>Javascript (es6)</li> <li>Flask</li> <li>Reactjs</li> <li>Flutter</li> <li>Mern development</li> <li>Mern stack</li> <li>Flask, flutter, uml</li> <li>Flutter apps development</li> </ul> </div>	<div>Education</div> <div> <b>BS in Computer Science</b>  School of Electrical Engineering and Computer Science , 2.75  <b>Matric / O levels</b>  , (2019)  <b>Intermediate / A levels</b>  , (2021)  <b>BS Computer Science</b>  SEECs, NUST , 2.75/4 (2025)  <b>FSc. Pre Engineering</b>  Govt. Islamia College Civil Lines , 936/1100 (2021)  <b>Matric (Computer Science)</b>  The Trust School , 1000/1100 (2019) </div>
<div>Soft Skills</div> <div> <ul style="list-style-type: none"> <li>Spanish</li> </ul> </div>	<div>Internship Experience</div> <div> <b>High Performance Computing Lab SEECs ( 01-Jan-2024 - 31-Dec-2024 )</b>  Worked on a funded Research project under Dr. Sohail Iqbal where we explored LLMs for educational purposes in Pakistan. </div> <div> <b>Machine Vision and Intelligent Systems Lab SEECs ( 01-Oct-2024 - 29-Mar-2025 )</b>  Research work involving vision based applications of Continual Learning in Robotics and Healthcare </div>	<div>Soft Skills</div> <div> <ul style="list-style-type: none"> <li>Strategic communications</li> <li>Strong work ethics</li> <li>Communication skills</li> <li>Mern stack web developer</li> </ul> </div>	<div>Internship Experience</div> <div></div> <div>Projects</div>
<div>Reference</div> <div>Name:</div> <div>Company:</div> <div>Phone:</div> <div>Email:</div>	<div>Projects</div> <div> <b>Presented a Conference Paper at FIT 2024</b>  Published a Conference paper related to my Final year project on "Routing through Satellite Imagery", the paper presents a novel ML based technique for solving the vehicle routing problem the paper is published at the following link:  <a href="https://ieeexplore.ieee.org/document/10838433">https://ieeexplore.ieee.org/document/10838433</a> </div> <div> <b>Published a Journal Paper in IJCA</b>  Published a Journal in International Journal for Computing Applications regarding Grouped Matrix Clocks for clock synchronization in Distributed Systems the paper can be accessed at: <a href="https://www.ijcaonline.org/archives/volume186/number56/grouped-matrix-clocks-with-reduced-complexity-for-distributed-synchroniz">https://www.ijcaonline.org/archives/volume186/number56/grouped-matrix-clocks-with-reduced-complexity-for-distributed-synchroniz</a> </div>	<div>Reference</div> <div>To be furnished upon request.</div>	

<div></div>		<div>Abdullah Aleem</div>	
<div><div>Details</div><div>Cell: 923316334020</div><div>Email: abdullahaleem2102@gmail.com</div><div>Address: , Pakistan</div></div>		<div><div>Professional Profile</div><div>As a passionate programmer, I'm eager to learn and love taking on challenges. I'm a quick learner, always up for exploring new concepts and technologies. Working on projects is something I enjoy, and I'm enthusiastic about collaborating with others to bring ideas to fruition. I'm committed to continual improvement, seeking out daily opportunities to enhance my programming abilities. My drive and determination to succeed make me a valuable addition to any team, and I'm confident in my ability to contribute meaningfully.</div></div>	
<div><div>Technical Skills</div><div><ul style="list-style-type: none"><li>Python socket programming</li><li>Web development frameworks</li><li>Typescript</li><li>Javascript (es6)</li><li>Jquery, ajax, mysql</li><li>Nodejs</li><li>React</li><li>Express, nodejs</li></ul></div></div>		<div><div>Education</div><div><div><div>BS in Computer Science</div><div>School of Electrical Engineering and Computer Science , 3.05</div><div>, (2019)</div></div><div><div>Intermediate / A levels</div><div>, (2021)</div></div><div><div>Computer science</div><div>NUST , present- (2025)</div></div></div></div>	
<div><div>Soft Skills</div><div><ul style="list-style-type: none"><li>Logical and conceptual learner</li><li>Versatility</li><li>Multi tasking</li></ul></div></div>		<div><div>Internship Experience</div><div><div><div>Data Eye ( 04-Dec-2023 - 04-Jun-2024 )</div><div>Full Stack Engineer, my role was to create an application from scratch for their travel business, and also contribute to other projects just as internal management applications.</div></div><div><div>Hamson Tech ( 04-Jun-2022 - 04-Aug-2022 )</div><div>Intern Software Developer Independently designed and developed a mobile application for a client using Flutter, seamlessly integrating Firebase for backend functionality and Firestore for efficient database management, ensuring a streamlined user experience.</div></div></div></div>	
<div><div>Reference</div><div>To be furnished upon request.</div></div>			

<div>Projects</div>
<div><div>HomeDoc</div><div>- Implemented WebSockets to enable real-time communication between users and paramedics. • Developed a RESTful API using Express.js for user and paramedic registration and service booking. • Integrated MongoDB for data persistence, ensuring secure and scalable user data management. • Designed frontend comp</div></div>
<div><div>Otaku Guide</div><div>• Integrated collaborative and content-based filtering algorithms to recommend anime based on user history. • Developed custom user-based recommendation algorithms to enhance personalized recommendations. • Built a REST API in Flask to handle data processing and recommendations, enabling efficient communica</div></div>
<div><div>AirBnB Booking Site Clone</div><div>• Created a secure user authentication system with JWT for session management. • Designed backend with Express.js and Node.js to manage booking workflows and handle property listings. • Leveraged MongoDB to manage user data, bookings, and property listings, ensuring robust database performance. • Built dyn</div></div>
<div><div>Portfolio</div><div>• Built a responsive, visually appealing portfolio with React.js • Implemented optimized code structure for smooth navigation and better performance. • Designed interactive UI components to showcase projects, providing a clean and professional user experience.</div></div>



# Mujtaba Shafqat



# Ali Murad

<b>Details</b> Cell: 923177926831 Email: mujtabashafqat0@gmail.com Address: VILLAGE FEROWALI, PO KHAUR, TEH PINDIGHEB, DISTTATTOCK  Islamabad , Pakistan	<b>Professional Profile</b>  I started painting since I was six. That passion of mine had grown up to such an extent that hardwork and consistency had made me an artist, better than professionals, unlearned and untaught, enhancing and polishing my creativity and extracting new and awesome ideas out of my mind. I am a Graphics Designer and the only thing I want is to present my skills and my creativity out there, to the world.
<b>Technical Skills</b>	<b>Education</b> <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 3.36 <b>Matric / O levels</b> , (2019) <b>Intermediate / A levels</b> , (2021) <b>BS Computer Science</b> SEECs , 3.46 (2021)
<b>Soft Skills</b> <ul style="list-style-type: none"><li>• Filmora</li><li>• Coding</li><li>• Gui(tkinter)</li><li>• Fine art</li><li>• Graphics designing</li><li>• Team management</li><li>• Communication and presentation</li><li>• Team management skills</li></ul>	<b>Internship Experience</b> <b>Footwear Pakistan ( 10-Aug-2022 - 13-Sep-2022 )</b> In this project, I have been working as a Photographer and Graphics Designer for the brand Footwear Pakistan. The skills included Photography, Color Enhancement, Social Media Posts Designs and Ad-making.  <b>Freelancing ( 01-Sep-2021 - 13-Sep-2022 )</b> I am working as a freelancer in the field of Graphics Designing, designing new ideas and projects for my clients.
<b>Reference</b> To be furnished upon request.	<b>Projects</b>

<b>Details</b> Cell: 03422166824 Email: alimurad3422@gmail.com Address: Village Kheensar Taluka dahli Chachro , Pakistan	<b>Professional Profile</b>  I am a professional and enthusiastic programmer in my daily life. I am a quick learner with a self-learning attitude. I love learning and exploring new technologies and I am passionate about problem solving. I love almost all the stacks of web application development and I love making the Web more open to the world. My core skill is based on JavaScript, and I love doing most of the things using JavaScript. I am available for any kind of job opportunity that suits my skills and interests.
<b>Technical Skills</b> <ul style="list-style-type: none"><li>• JQuery, ajax, mysql</li><li>• Html, css, javascript</li><li>• Mongodb, express, node.js</li><li>• React / node.js / apis</li></ul>	<b>Education</b> <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 2.66 <b>Matric / O levels</b> , (2019) <b>Intermediate / A levels</b> , (2021) <b>BSCS</b> National University of Science and Technology , 2.7 (2025)
<b>Soft Skills</b> <ul style="list-style-type: none"><li>• Problem solving skills</li></ul>	<b>Internship Experience</b>  <b>IoT Lab ( 01-Jun-2023 - 01-Sep-2023 )</b> Front-End Developer  <b>HighSkyTech ( 01-Jul-2024 - 31-Jul-2024 )</b> Front-End Developer  <b>NUSTRive ( 01-Aug-2024 - 01-Feb-2025 )</b> Full Stack Developer
<b>Reference</b> To be furnished upon request.	

Projects

Generic Builder

A React and React Flow-based workflow editor enabling users to create, edit, and visualize flows with customizable nodes, drag-and-drop editing, real-time updates, and state persistence. Features include zooming, panning, and smooth user interactions, showcasing expertise in React, state management, and UI/UX

E-Commerce Website (MERN Stack, JWT Auth)

A full-featured e-commerce platform built with MongoDB, Express.js, React, and Node.js, featuring JWT authentication, role-based access control, product management, shopping cart, and order management. Includes secure user authentication, responsive UI (Tailwind CSS), and Redux for state management. Utilizes

Head Start

I developed a HeadStart template for a commercial consultant. As a front-end developer, I worked on creating the dashboard using React, Tailwind, and other necessary npm libraries. Technologies used: React, Redux-Toolkit, Node, Express, MongoDB, JWT Authentication, RESTful APIs

Apna Buzz

Designed and developed a fully responsive and customizable website template tailored for businesses. Implemented a modern UI/UX with dynamic content sections, smooth navigation, and fast performance. Ensured scalability and easy customization, enabling businesses to adapt the template to their specific needs



Hasib Aslam

Details

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Technical Skills

- Web development frameworks
- Front end web development
- Python, keras
- Html, css, javascript
- Mern development
- Database (mysql)
- C++

Soft Skills

- Graphics designing
- Project and team management
- Leadership qualities

Reference

To be furnished upon request.

Professional Profile

A full stack web developer looking for a productive envirnoment to have hands on experience of converting ideas to reality

Education

**BS in Computer Science**  
School of Electrical Engineering and Computer Science , 3.83  
**Matric / O levels**  
, (2019)  
**Intermediate / A levels**  
, (2021)  
**FSc Pre Engineering**  
Punjab College , 1085/1100 (2021)  
**Matric**  
Haider Memorial School , 1045/1100 (2019)  
**Semester Exchange Program**  
Linnaeus University , Passed With Distinction (2023)

Internship Experience

**TUKL ( 25-Jul-2022 - 09-Sep-2022 )**  
learned basics of Machine Learning Deep Learning developed a Cat and Dog Classifier with 98% accuracy worked on Document AI

**Lakehead University, Canada ( 04-Jun-2024 - 02-Sep-2024 )**  
- Identify relevant public EEG data sets that are collected with different types of stimuli and tasks. - Determine the relevance and usefulness of the activities for EEG authentication. - Use basic digital processing techniques to obtain noise free data sets to be used for the authentication study. - Perf

Projects

Hotel Booking and Management Website

A online platform where you can book the apartments in hotels and also put your own to be rented out. It is developed using Express js , React js along with next js. MYSQL is used as database to developed this app. Hotel Owners can come and register themselves. They then register their hotels. Available

Shared Room Expense Management App

A web based solution for the people living in shared accomodations. It allows roommates to effectively manage the expense at ease. All they have to do is to register a room and set its entry key and master key. The master key is of great significance and you can add or delete the roommates or level current bi

Cricket Players Profile App

This app was built in using c++ data structures. It basically allowed user to search any player in database with search complexity O(1). It used multilevel hashtables (a entry in hashtable points to three other hashtable and so on) to reduce the search cost and move across different formats such as t20,odi an

Facebook Page Media Controller

A MERN stack website that allows user to register and then upload the content to the facebook page. It supports both images and videos upload to the facebook page remotely from the website . It uses Graph Api from meta to access pages using page page access token.



Haram Nasir

Details

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Sialkot , Pakistan

Technical Skills

- Typescript
- Web scraping
- Javascript (es6)
- Nodejs
- Front end web development
- Html/css 5
- Docker
- Reactjs

Soft Skills

- Web engineering (mean stack)
- Team workshop
- Coding
- Communication skills
- Self-management skills
- Software debugging
- Graphics designing
- Leadership and communication

Reference

To be furnished upon request.

Professional Profile

Please update objective section.

Education

**BS in Computer Science**  
School of Electrical Engineering and Computer Science , 3.12  
**Matric / O levels**  
, (2018)  
**Intermediate / A levels**  
, (2020)  
**Bachelors of Computer Science**  
National University of Sciences and Technology , 3.12 (2021)

Internship Experience

**Victreat Health Tech pvt ltd ( 24-Oct-2024 - 28-Feb-2025 )**  
Was involved in writing python scripts to scrape data from medical conferences/abstracts using scrapy framework and palywright

Projects

**National Science Bee Gyara Website**  
Developed the official website for NUST Science Society's Science Bee event.  
Deployed at: <https://sb-gyara.vercel.app>



# Muhammad Rouhan Faisal



# Hafiz Ahmed Hassan Chohan

<b>Details</b> Cell: 923019068072 Email: rouhan.faisal1@gmail.com Address:  Lahore , Pakistan	<b>Professional Profile</b>  A technology enthusiast with experience in web development, artificial intelligence, and deep learning. Proficient in MERN, Next.js, and Flask for building web applications. Currently expanding expertise in cloud computing by learning AWS and pursuing the AWS Solutions Architect certification. Passionate about leveraging AI and scalable cloud solutions to develop innovative and efficient applications.
<b>Technical Skills</b> <ul style="list-style-type: none"><li>• Python socket programming</li><li>• Big data analytics</li><li>• Nodejs</li><li>• Flask</li><li>• Mongodb (database)</li><li>• Express, nodejs</li><li>• Reactjs</li><li>• Poetry</li></ul>	<b>Education</b> <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 3.53 , (2019) <b>Intermediate / A levels</b> , (2021) <b>BSCS</b> School of Electrical Engineering and Computer Science , 3.53 (2025)
<b>Soft Skills</b> <ul style="list-style-type: none"><li>• Team workshop</li><li>• Analytical thinking</li><li>• Teamwork, flexibility</li><li>• Team management</li><li>• Leadership and communication</li><li>• Flexibility and adaptability</li><li>• Effective leadership and manag</li></ul>	<b>Internship Experience</b> <b>Cosmotech Technologies ( 01-Jul-2024 - 01-Sep-2024 )</b> Assisted a 4-person team in developing a web application that simplifies the tender/procurement process, potentially reducing processing time by 60%. Contributed to the development of the front-end user interface using ReactJS, ensuring a user-friendly and intuitive experience for tender participants.  <b>CHKK ( 01-Dec-2024 - 30-Apr-2025 )</b> Assisting in designing scalable and efficient system architectures, gaining hands-on experience in cloud infrastructure and solution design. Learning about Kubernetes for container orchestration, including deployment strategies, service management, and cluster scaling. Collaborating with the team to ana
<b>Reference</b> To be furnished upon request.	<b>Projects</b> <b>CaseCobra</b> Developed a full-stack web application that allows users to browse and order pre-designed mobile cases or upload their own images to create custom cases. Implemented a seamless user experience with Next.js for fast and responsive UI, ensuring smooth navigation and efficient case customization. Integra  <b>Chat Application</b> Developed a real-time chat application using the MERN stack (MongoDB, Express, React, Node.js) to facilitate communication for up to 100 concurrent users. Implemented functionalities for 100 users to engage in seamless direct messaging and group chats, fostering real-time collaboration. Leveraged Socke  <b>Research on FusionRAG – NUST Alpha at RIRAG 2025</b> Contributed to the development of FusionRAG, a Retrieval-Augmented Generation (RAG) system designed to enhance regulatory document retrieval and question answering. Integrated OpenAI embeddings, BM25, FAISS, and a custom rank fusion strategy to combine lexical and semantic retrieval for improved accuracy and

<b>Details</b> Cell: 923204740533 Email: ahmedhsn710@gmail.com Address: GHAZALI JUNIOR CAMPUS PHALIA:MAIN GUJRAT MANDIBAHAUDDIN ROAD.  Phalia , Pakistan	<b>Professional Profile</b>  I am a Machine Learning Engineer with a deep passion for research in Computer Vision (CV) and Deep Learning (DL). My research journey began with a strong curiosity about AI's ability to solve real-world problems, leading me to work on various impactful projects. As a Research Assistant at PakThai Lab, I collaborated on developing a real-time traffic violation detection system, which fueled my interest in applying AI to smart cities. Additionally, I contributed to projects like a web-based medical data annotation platform, aimed at automating fracture detection in X-rays, and a landmark detection system for autonomous drones. I am particularly driven by the potential of AI to transform industries, and I aim to continue pushing the boundaries of AI research, while working towards publishing my first research paper. My focus is on innovative projects that bridge theory with real-world applications in autonomous systems, healthcare, and urban technologies.
<b>Technical Skills</b>	<b>Education</b> <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 3.62 <b>Matric / O levels</b> , (2019) <b>Intermediate / A levels</b> , (2021) <b>Computer Science</b> SEECS , 3.62 (2025)
<b>Soft Skills</b>	<b>Internship Experience</b>  <b>Signal and Machine Learning Lab ( 08-May-2023 - 28-Jul-2023 )</b> <b>InLights ( 04-Mar-2024 - 24-May-2024 )</b> <b>PakThai Lab NUST ( 01-May-2024 - 31-Mar-2025 )</b> <b>Walee Technologies ( 13-May-2024 - 27-Apr-2025 )</b>
<b>Reference</b> To be furnished upon request.	

Projects

Gesture-Controlled Snake Game

– Developed a gesture-controlled snake game using OpenCV and pygame, offering a hands-free gaming experience through real-time hand gesture detection. – Integrated cvzone for real-time hand tracking and gesture recognition, providing responsive and intuitive gameplay.

Convert to EBooks

– Created a system to convert physical book images or PDFs into fully formatted eBooks using deep learning and OCR technologies. – Trained a deep neural network for segmentation, accurately extracting text from diverse fonts and layouts. – Follow-up work based on the paper: Shafait, F., & Smith, R. (2010).

ANPR– Automatic Number Plate Recognition System

– Developed a real-time ANPR system using computer vision and deep learning, accurately detecting and recognizing vehicle license plates. – Built a robust image processing pipeline using OpenCV and integrated it with easy-ocr for character recognition, achieving reliable performance under various lighting an



Muhammad Aleem Siddique Khan

Details

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Sargodha , Pakistan

Technical Skills

- Data engineering
- Big data analytics
- Operating systems
- Python/java/c++/octave
- Cryptanalysis
- Convolutional neural networks
- Recurrent neural networks
- Computer vision

Soft Skills

Reference

To be furnished upon request.

Professional Profile

A computer scientist with a strong grip on the fundamentals. I aspire to become a constructive part of the society, working to serve humanity with my skills.

Education

**BS in Computer Science**  
School of Electrical Engineering and Computer Science , 3.15  
**Matric / O levels**  
, (2019)  
**Intermediate / A levels**  
, (2021)

Internship Experience

**NUST ( 01-Mar-2024 - 01-Sep-2024 )**  
I worked as a research intern under the supervision of an Associate Professor on a project titled, "URL Classification Using Atificial Intelligence". The project aimed to develop an AI model capable of classifying a given URL into its category. I gained hands on experience with different Machine Learning and

Projects



# Muhammad Ahad Sajjad

### Details

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Lahore , Pakistan

### Technical Skills

- Photoshop cc
- Indesign
- Design principles
- Web design and developmnt
- Logo designing
- Design thinking
- Prototyping
- Product design

### Soft Skills

- Strategic communications
- Analytical thinking
- Communication skills
- Graphics designing
- Leadership and communication
- Communication and presentation
- Attention to detail
- Flexibility and adaptability

### Reference

To be furnished upon request.

### Professional Profile

To leverage my expertise in UI/UX design and user-centered methodologies to create impactful digital experiences that enhance user engagement and satisfaction, while continuously honing my skills in a dynamic and innovative environment. My unique goal is to design experiences that not only meet user needs but also create lasting impressions and memorable interactions.

### Education

**BS in Computer Science**  
School of Electrical Engineering and Computer Science , 2.94  
**Matric / O levels**  
, (2019)  
**Intermediate / A levels**  
, (2021)  
**BS Computer Science**  
National University of Sciences and Technology (NUST) , 2.97 (2025)  
**Intermediate in Computer Science**  
Punjab Group of Colleges , 97.4% (2021)

### Internship Experience

**Reviva ( 04-Jul-2024 - 21-Dec-2024 )**  
Designed and developed an embedded kiosk and mobile app for wellness monitoring using neuro-symbolic AI, boosting user retention by 75%. Conducted extensive user research, including surveys and interviews, leading to a 25% reduction in onboarding time. Spearheaded branding efforts across platforms, enhancin

**NorenzTech ( 06-Oct-2024 - 07-Dec-2024 )**  
Created HeroCV, an AI-powered resume builder, increasing user engagement by 70%. Designed AptScout, an apartment listing platform, improving user engagement by 40% and reducing bounce rates by 70%. Developed SubventureDirecte, a grant application platform, integrating AI-driven features to boost application

**N-Rays ( 08-Jun-2023 - 08-Aug-2023 )**  
Revitalized the UI/UX of the company’s website and e-commerce platform, achieving a 30% boost in customer satisfaction. Conducted usability testing and interviews, providing actionable insights that reduced customer support inquiries by 40%. Authored a UX research report that increased cross-functional adop

### Projects

**Interactive Wellness Monitoring System**  
Designed a kiosk and mobile app integrating neuro-symbolic AI for health tracking, achieving a 25% reduction in onboarding time.

**HeroCV**  
Conceptualized and launched an AI-powered resume creation platform, enhancing user retention by 30%.

**AptScout**  
Streamlined apartment hunting with optimized filtering options, leading to a 40% increase in user engagement.

**SubventureDirecte**  
Designed an AI-driven grant application platform, improving application completion rates by 35%.



<div></div>		<div>Iqra Rasool</div>	
<div><div>Details</div><div>Cell: 923146914161</div><div>Email: iqrarasool45@gmail.com</div><div>Address: 20 East Scheme No.2</div><div>Farid town</div><div>Sahiwal , Pakistan</div></div>		<div><div>Professional Profile</div><div>A dedicated and motivated computer science student with a strong foundation in database design, frontend web application development, Python and C++. Supportive and enthusiastic team player dedicated to apply skills and knowledge to real-world projects and continue to grow as a computer scientist.</div></div>	
<div><div>Technical Skills</div><div><ul style="list-style-type: none"><li>Agile and waterfall methods</li><li>Distributed systems</li><li>Python socket programming</li><li>Big data analytics</li><li>Web development frameworks</li><li>Operating systems</li><li>Game designing on unity</li><li>Cryptanalysis</li></ul></div></div>		<div><div>Education</div><div><div><div>BS in Computer Science</div><div>School of Electrical Engineering and Computer Science , 3.06</div><div>Matric / O levels</div><div>, (2019)</div><div>Intermediate / A levels</div><div>, (2021)</div><div>BS Computer Science</div><div>National University of Science and Technology , 3.06/4.00 (2025)</div><div>Higher Secondary Diploma (Pre-Eng)</div><div>The Educators College , 1089/1100 (2021)</div><div>Secondary Diploma</div><div>Divisional Public School , 1066/1100 (2019)</div></div></div></div>	
<div><div>Soft Skills</div><div><ul style="list-style-type: none"><li>Strategic communications</li><li>Korean language (beginner)</li><li>Team workshop</li><li>Analytical thinking</li><li>Coding</li><li>Logical and conceptual learner</li><li>Strong work ethics</li><li>Managing multiple priorities</li></ul></div></div>		<div><div>Internship Experience</div><div><div><div>Freelancer ( 01-Dec-2019 - 03-Mar-2025 )</div><div>Maintaining database for clients using MySQL and Oracle. Designing logos for clients using Canva. Designing and Building pages using HTML and CSS. Apply expertise in Microsoft Office applications to create Word documents, built spreadsheets, prepare PowerPoint slides for clients. Research and write on</div></div></div></div>	
<div><div>Reference</div><div>To be furnished upon request.</div></div>		<div><div>United Bank Limited (Customer Services and Sales Intern) ( 12-Jun-2024 - 23-Jul-2024 )</div><div>Got a chance to get experience of sales and customer services department at United Bank Limited (UBL) Pakistan. Worked closely for people, understanding their concerns and communicating with them.</div></div>	

<div>Projects</div>
<div><div>DROWSINESS DETECTION SYSTEM (FYP)</div><div>Developing a system to detect drowsiness of a person on the basis of eye closure, yawning and head tilting. Model is trained to detect faces from video stream using YOLOv8 model and then these detected faces are sent to 68-points Face Landmark Detection algorithm of Dlib for further calculations of EAR, MAR a</div></div>
<div><div>SALARY MANAGEMENT SYSTEM</div><div>Developed a small level system to manage the salaries of employees using JavaScript, Node.js, MySQL and sequelizer to connect. Main features include adding and removing employees by admin and managing their salaries according to their posts, annual increments, bonuses and reductions.</div></div>
<div><div>SEARCH ENGINE</div><div>Developed a search engine using various sorting algorithms and tree structures for effective searching.</div></div>
<div><div>HomeDoc WEB APPLICATION</div><div>A web application where you can look for doctors and paramedics in your area and call them for your services. The frontend is using react, HTML, CSS, JavaScript and Bootstrap. Backend is using Node.js and MySQL for database, connected using sockets. Map is also used to find paramedics in your area.</div></div>



# Muhammad Uzair Khan



# Jatindar Kumar Mamnani

<b>Details</b> Cell: 923061231795 Email: jerry.khan7886@gmail.com Address: 29/2 GULRAIZ COLONY,PUL BARARAN,MDA ROAD  Multan , Pakistan	<b>Professional Profile</b>  Driven Full-Stack Developer Seeking to Build Scalable, User-Centric Applications by Leveraging Expertise in Modern Web Technologies and Creative Problem-Solving
<b>Technical Skills</b>	<b>Education</b>  <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 3.25 <b>Matric / O levels</b> , (2019) <b>Intermediate / A levels</b> , (2021)
<b>Soft Skills</b>	<b>Internship Experience</b>  <b>Shadiyana ( 10-Jun-2024 - 10-Sep-2024 )</b> During my internship at Shadiyana.pk , I contributed to enhancing the platform by adding new vendor categories to both the web-based user portal (built with Next.js) and the vendor app (React Native). I developed and integrated RESTful APIs using Express.js, enabling seamless communication between the fronten
<b>Reference</b> To be furnished upon request.	<b>Projects</b>

<b>Details</b> Cell: 923323117380 Email: jatindark906@gmail.com Address: FLAT#37 ROSHAN PLAZA MIRPURKHAS DISTRICT SINDHMIRPURKHAS  Mirpurkhas , Pakistan	<b>Professional Profile</b>  Skilled and Innovative Computer Vision Researcher with proven expertise in designing and implementing ML models for autonomous systems. Skilled in Python, PyTorch, and TensorFlow, with a strong track record in deep learning and multitask learning projects. Seeking opportunities to further advance machine learning capabilities in real-world applications.
<b>Technical Skills</b> <ul style="list-style-type: none"><li>• Python socket programming</li><li>• Cuda</li><li>• Python and bash scripting</li><li>• Web scraping</li><li>• Computer vision</li><li>• Data science</li><li>• Flask</li><li>• Contrcat management</li></ul>	<b>Education</b>  <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 2.93 <b>Matric / O levels</b> , (2019) <b>Intermediate / A levels</b> , (2021) <b>Bachelor of Science in Computer Science</b> National University of Sciences and Technology , (2025)
<b>Soft Skills</b> <ul style="list-style-type: none"><li>• Multi tasking</li><li>• Group work</li></ul>	<b>Internship Experience</b>  <b>Vision Research and development company ( 24-Jun-2024 - 24-Sep-2024 )</b> <ul style="list-style-type: none"><li>• Conduct research on the applications of computer vision and data science in Autonomous cars</li><li>• Design and implement ML models and algorithms</li><li>• Assist in collecting and preprocessing relevant datasets</li><li>• Contribute to the development and refinement of ML models and algorithms</li><li>• Document findings, metho</li></ul> <b>CodSoft ( 25-Jul-2024 - 25-Sep-2024 )</b> Communicate with managers to set up campus computers used on campus • Assess and troubleshoot computer problems brought by students, faculty and staff • Maintain upkeep of computers, classroom equipment, and 200 printers across campus
<b>Reference</b> To be furnished upon request.	

Projects

Prompt-No-Code Website Assistant

• Developed an AI-powered no-code chatbot assistant that extracts contextual insights from website URLs for automated responses. • Engineered an LLM-driven chatbot system using FastAPI, enabling real-time, context-aware user interactions. • Optimized API-driven chatbot responses for accuracy, automatio

SemEval-Task-8-Table Answering

• Built a tabular QA system using transformer-based NLP for structured data retrieval. • Implemented text-to-SQL conversion using pre-trained language models to generate structured queries. • Conducted model evaluation using accuracy, precision, recall, and execution latency benchmarks. • Addressed NLU

VQA-Based-Medical-Advisor

• Developed a medical visual question-answering system using CNNs for image features and LSTMs/Transformers for text queries. • Implemented multimodal fusion to combine image and text features. • Trained and evaluated on the VQA-Med dataset, using accuracy, BLEU, and METEOR metrics. • Tackled challen

A Video Based Multi-Task Learning Model for Autonomous Driving

• Developed a cutting-edge multitask learning model for real-time autonomous driving. • Engineered to perform semantic segmentation, lane detection, and object detection on edge devices with high performance. • Achieved 82.4% mIoU on the VIL-100 validation set for lane segmentation. • Demonstrated str



Abdul Basit

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Technical Skills

- Reactjs
- Html, css, ajax, javascript
- Mongodb, express, node.js
- Google firebase platform

Soft Skills

- Team workshop
- Team management
- Problem solving skills

Reference

To be furnished upon request.

Professional Profile

A passionate computer science student with a strong foundation in programming, software development and artificial intelligence. Committed to continuous learning and eager to tackle real-world challenges, with a focus on creating innovative solutions and collaborating with industry experts.

Education

**BS in Computer Science**  
School of Electrical Engineering and Computer Science , 2.96  
**Matric / O levels**  
, (2019)  
**Intermediate / A levels**  
, (2021)  
**Bachelors of Science in Computer Science**  
National University of Sciences and Technology , 2.97 (2025)

Internship Experience

**Texagon (Frontend Development Internship) ( 03-Jul-2024 - 13-Sep-2024 )**  
• Learning the basics of HTML5, ReactJS, ECMAScript. • Understanding the operations of Git and GitHub • Comprehending the importance of communication in corporate culture.


**National University of Sciences and Technology (Research Intern) ( 03-Jul-2024 - 30-May-2025 )**  
• Working under the supervision of Dr. Muhammad Zeeshan to develop an AI model capable of classifying URLs into different categories. • Conducted extensive research on data mining, data collection, and preprocessing techniques. • Explored various machine learning classifiers and tokenization methods to

Projects

**Orphanage Management System**  
• Developed an all-around management system that deals with all kinds of users associated with orphanages. • Used SQLite database to store and retrieve information of the users. • Used Laravel to develop the backend of the system

**GetHired**  
• Developed a job platform intended for job seekers and employers. • Job Seeker can see the jobs, check status of the jobs, use filters to easily search for the jobs. • Employer can post the jobs, can check who has applied for the jobs, can reject or accept the job seekers depending upon the profile.

**Traffic Lights Detection and Recognition System**  
• Used convolutional neural network called Faster RCNN. • Trained using traffic light images gathered in Islamabad city to detect the state of a traffic light autonomously.

<div><div>NUST Defining futures</div></div>		<div><div>NUST Defining futures</div></div>		<h1>Ghulam Hussain Khan Sherwani</h1>	
<div><b>Details</b> Cell: 923447775558 Email: meharaliahmed@gmail.com Address: E-3 DHA EME SOCIETY LAHORE PAKISTAN  Lahore , Pakistan</div>	<div><b>Professional Profile</b>  Please update objective section.</div>		<div><b>Details</b> Cell: 923135977381 Email: ghulamhussainsherwani@gmail.com Address: AFGHAN HOUSE 92/A BILAL COLONY jhal road Sahiwal , Pakistan</div>	<div><b>Professional Profile</b>  6th semester BSCS student proficient in MERN stack, web dev, ML/DL. Seeking role in innovative web &amp; AI/ML projects to advance skills.</div>	
	<div><b>Education</b>  <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 3.62  , (2019)  , (2021) <b>Global UGRAD Exchange Semester</b> Saginaw Valley State University , 3.55 (2023) <b>A-levels</b> Lahore Grammar School Johar Town , 5 A*s (2021) <b>O-levels</b> Beaconhouse School System , 9 A*s, 1 A (2019)</div>			<div><b>Education</b>  <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 3.35 <b>Matric / O levels</b> , (2019) <b>Intermediate / A levels</b> , (2021) <b>Matriculation</b> The Educators Boys High School , 1062/1100 (2019) <b>Intermediate</b> Divisional Public School And Inter College , 1078/1100 (2021)</div>	
	<div><b>Technical Skills</b><ul style="list-style-type: none"><li>• Data engineering</li><li>• Big data analytics</li><li>• Digital marketing</li><li>• Data science</li><li>• Data analysis</li><li>• Python, keras</li><li>• Proficient in c &amp; c++</li><li>• Mongodb</li></ul></div>			<div><b>Technical Skills</b><ul style="list-style-type: none"><li>• Mern stack</li><li>• Programming: java, c/c++, php</li><li>• Python, c++, java, javascript</li></ul></div>	
	<div><b>Soft Skills</b><ul style="list-style-type: none"><li>• Statistical data analysis</li><li>• Empathy</li><li>• Creativity</li><li>• Strategic communications</li><li>• Teamwork &amp; collaboration</li><li>• Leadership qualities</li></ul></div>			<div><b>Soft Skills</b><ul style="list-style-type: none"><li>• Software debugging</li><li>• Mern stack web developer</li><li>• English speaking and writing</li></ul></div>	
<div><b>Reference</b> To be furnished upon request.</div>		<div><b>Reference</b> To be furnished upon request.</div>		<div><b>Internship Experience</b></div>	
				<div><b>Projects</b>  <b>Techzone</b> Project: TechZone (MERN Stack Online Computer and Accessories E-commerce Platform) Developed a user-friendly e-commerce website, "TechZone," enabling users to browse and purchase computers and accessories. Implemented shopping cart functionality, allowing users to add and manage items for purchase. Desig  <b>Cricket Stats Guru (C++ Application)</b> Created a comprehensive Cricket Stats Guru application in C++. Utilized Kaggle datasets to provide users with player-specific statistics, enabling searches by player name and detailed records by various parameters such as average, economy, wickets, runs, and strike rate. Demonstrated proficiency in data h  <b>Unet Binarizer</b> Led Unet Binarizer project for historical document binarization. Leveraged advanced image processing and AI techniques, including median blur and adaptive thresholding, with a U-Net model. Enhanced text clarity and extracted valuable information from degraded documents. Demonstrated expertise in traditional i</div>	



# Abdul Rehman



# Abdullah Khan

<b>Details</b> Cell: 923176333651 Email: abdulrehmanaamir21@gmail.com Address: HOUSE #486, ST # 1/11,GOBIND PURA, FAISALABAD.  Faisalabad , Pakistan		<b>Professional Profile</b>  Enthusiastic and detail-oriented Computer Science student with a strong foundation in software development, data analysis, and machine learning. Proficient in various programming languages and tools, with a keen interest in developing innovative solutions to complex problems. Excellent problem-solving skills, a collaborative mindset, and a passion for learning new technologies. Eager to leverage technical skills and academic knowledge to contribute to impactful projects and drive technological advancements in a dynamic work environment		<b>Details</b> Cell: 923022222363 Email: abdullah.khan936@outlook.com Address: H # E-29, ST # 4, PHASE # 4, OFFICERS COLONY,WAH CANTT.  Wah cantt , Pakistan		<b>Professional Profile</b>  To grow as an individual which adds value to any organisation I am associated with.	
<b>Technical Skills</b> <ul style="list-style-type: none"><li>Agile and waterfall methods</li><li>Distributed systems</li><li>Python socket programming</li><li>Big data analytics</li><li>Web development frameworks</li><li>Operating systems</li><li>Apache spark</li><li>Jquery</li></ul>		<b>Education</b>  <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 3.12 <b>Matric / O levels</b> , (2019) <b>Intermediate / A levels</b> , (2021) <b>Bs Cs</b> Seecs Nust , 3.12 (2025) <b>Fsc Pre Engineering</b> Punjab College of Science , 1094 (2021)		<b>Technical Skills</b> <ul style="list-style-type: none"><li>Proficient in c &amp; c++</li><li>Html, css, javascript</li><li>Tensorflow, keras, pytorch</li><li>Open cv</li><li>Python</li></ul>		<b>Education</b>  <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 2.63 <b>Matric / O levels</b> , (2019) <b>Intermediate / A levels</b> , (2021) <b>Bachelor of Computer Science</b> School of Electical Engineering and Computer Sciences , (2025)	
<b>Soft Skills</b> <ul style="list-style-type: none"><li>Strategic communications</li><li>Opp and design patterns</li><li>Database design (sql,mongodb)</li><li>C</li><li>Team workshop</li></ul>		<b>Internship Experience</b>  <b>High Performance Lab Seecs Nust ( 15-Jun-2024 - 15-Aug-2024 )</b> Fine-tuning Pre-trained LLMs – Optimized large language models for specific tasks. LLM API Utilization – Integrated various LLM APIs to build real-time AI applications. Project Development: News Chatbot – Built an AI-driven chatbot for real-time news updates. Presentation Generator – Developed an autom		<b>Soft Skills</b> <ul style="list-style-type: none"><li>Analytical thinking</li><li>Communication skills</li><li>Self-management skills</li></ul>		<b>Internship Experience</b>  <b>Communication Systems and Network Lab ( 03-Jul-2023 - 31-Aug-2023 )</b> <ul style="list-style-type: none"><li>Developed a machine learning model using Polynomial Regression to predict battery life cycles for UAVs in disaster management applications, improving predictive accuracy by 23% as measured by a custom dataset from 29 flights. • Created a model using Semantic Segmentation via Unet, that detects buildings</li></ul>	
<b>Reference</b> To be furnished upon request.		<b>Projects</b>  <b>Semantic based image search engine using Solr</b> Developed a semantic-based image search engine using Apache Solr to efficiently retrieve images based on textual descriptions. Utilized the Flickr30k dataset and integrated the CLIP model for generating feature vectors of images. Implemented robust search functionality that improved image retrieval acc  <b>Search engine like google</b> Designed and implemented a web page search engine integrating multiple technologies for efficient information retrieval. Employed a Crawler and Bloom Filter to collect and filter URLs, storing data for processing with BERT and PageRank algorithms. Utilized TF-IDF for term weighting, Apache Solr for in  <b>Stock predictor using LSTM</b> Developed a stock price predictor using Long Short-Term Memory (LSTM) neural networks to forecast next-day prices. Implemented data preprocessing, feature engineering, and model training to ensure high prediction accuracy. Integrated the predictor into a user-friendly interface, enabling real-time pre		<b>Reference</b> To be furnished upon request.		<b>RoadGauge Ltd ( 01-Jul-2024 - 31-Dec-2024 )</b> <ul style="list-style-type: none"><li>Worked on point cloud processing using open3d in Python, adding modules and optimizing the road asset pipeline. • Created a filtering system based on distance thresholds and normal vectors to enhance precision by segregating points relative to identified planes. Actively helping in identifying parked ca</li></ul>	
						<b>Projects</b>  <b>Code 'o Clock 2022</b> A workshop successfully executed under banner of Association of Computing Machines (ACM NUST) as Event head.  <b>Dev Fest 21</b> Part of on ground team for Dev Fest 2021 under banner of ACM NUST	



# Ali Awais Safdar

## Details

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Address: H.NO.17,18/E ALI STREET,RIAZ AHMED ROAD,SHALIMAR TOWN  
Lahore , Pakistan

## Technical Skills

- Data engineering
- Blackbox/whitebox testing
- Laptop repair
- Agile and waterfall methods
- Distributed systems
- Python socket programming
- Cuda
- Big data analytics

## Soft Skills

- Financial ratio analysis
- Statistical data analysis
- Voracious reader
- Conflict management
- Team management skills
- Multi tasking
- Group work
- Communication oral/written

## Reference

Name: John chambers  
Company: Lee kong chian school of medicine  
Phone:  
Email:

## Professional Profile

Aspiring computer scientist with a strong foundation in AI, machine learning, and software development, seeking to leverage my expertise in advanced technologies like NLP, deep learning, and blockchain to create innovative and impactful solutions. With hands-on experience in developing medical diagnostic tools, resilient software architectures, and multilingual AI models, I aim to contribute to cutting-edge projects that bridge the gap between research and real-world applications. Passionate about driving technological advancements and fostering inclusive innovation, I am committed to utilizing my skills to address complex challenges and deliver meaningful outcomes in a dynamic and collaborative environment.

## Education

**BS in Computer Science**  
School of Electrical Engineering and Computer Science , 2.96  
**Matric / O levels**  
, (2019)  
**Intermediate / A levels**  
, (2021)  
**Bachelors in Computer Science**  
School of Electrical Engineering and Computer Science , (2025)  
**Pre Engineering**  
Punjab College , (2021)  
**Matriculation - Biology**  
Garrison Boys High School , (2019)

## Internship Experience

**Nanyang Technological University, Singapore ( 01-Jul-2024 - 16-Aug-2024 )**  
**Vision Architech (Remote) ( 08-Jul-2024 - 09-Sep-2024 )**  
**HPC Lab-SEECS ( 25-Dec-2023 - 27-Dec-2024 )**  
**CarbonTeq ( 03-Jun-2024 - 05-Jul-2024 )**  
**Software Productivity Strategists, Inc. (Remote) ( 06-Nov-2023 - 05-Feb-2024 )**  
**Radar Research Lab, SINES ( 02-Oct-2023 - 08-Jan-2024 )**

## Projects

### Enhancing Vehicle Routing with Time Windows: A Machine Learning-Driven Ant Colony Optimization Approach

Authored a research paper focusing on integrating machine learning techniques with Ant Colony Optimization (ACO) to improve vehicle routing under time-window constraints. Presented the paper at the FIT 2024 Conference, showcasing innovative approaches to solving logistics and optimization challenges using AI

### PATHVQA-VGG19-BERT-ATTENTION

Developed a medical Visual Question Answering (VQA) system utilizing VGG-19 for image feature extraction and BERT for textual question processing. Incorporated attention mechanisms to enhance contextual understanding, facilitating accurate responses to complex medical queries. Created an interactive web int

### Secure Information Handling with Blockchain

Implemented secure data handling solutions using blockchain technology with cryptographic methods such as HMAC-SHA256 for hashing and RSA for encryption. Developed a decentralized ledger to ensure tamper-resistance and transaction verification in distributed environments.

### DNS Client Efficient Design

Engineered a sophisticated TypeScript-based DNS client with a modular, scalable architecture and robust error handling. Optimized performance using asynchronous processing and railway-oriented programming principles.

<div><div>Prithvi Raj</div></div>	
<div><div>Details</div><div>Cell: 923177116613</div><div>Email: prithviraj182002@gmail.com</div><div>Address: Muhalla Shewani, Ward#02</div><div>Umerkot , Pakistan</div></div>	<div><div>Professional Profile</div><div>A proactive BS Computer Science student at the National University of Sciences and Technology with a strong academic background and hands-on experience in blockchain and Web3 development. Throughout my degree, I have worked on various projects, building decentralized applications (DApps) and smart contracts using Solidity, Hardhat, and Web3.js. My expertise extends to full-stack development with React, Next.js, and Node.js, enabling me to create secure and scalable blockchain-powered web applications. I possess strong leadership and communication skills, with fluency in English. Keen to pursue a career in blockchain development, decentralized finance (DeFi), and Web3 innovations.</div></div>
<div><div>Technical Skills</div><div><ul style="list-style-type: none"><li>Distributed systems</li><li>Ethereum blockchain</li><li>Proficient in c &amp; c++</li><li>Blockchain</li><li>Mern stack</li></ul></div></div>	<div><div>Education</div><div><div><div>BS in Computer Science</div><div>School of Electrical Engineering and Computer Science , 3.13</div><div>Matric / O levels</div><div>, (2019)</div><div>Intermediate / A levels</div><div>, (2021)</div><div>Computer Science</div><div>National University of Science and Technology , 3.13 (2025)</div></div></div></div>
<div><div>Soft Skills</div><div><ul style="list-style-type: none"><li>Teamwork, flexibility</li><li>Leadership and communication</li><li>Team management skills</li></ul></div></div>	
<div><div>Reference</div><div>To be furnished upon request.</div></div>	<div><div>Internship Experience</div><div><div><div>SKAI worldwide ( 04-Mar-2025 - 04-Sep-2025 )</div><div>Software Engineer responsible for:- Developing C programs (open-source based database), Management dashboards development and/or database tools development</div><div>- Creating and updating technical writings - Debugging and testing code - Participating open-source project / community driven by SKAI Worldwide</div></div></div></div>

<div><div>Projects</div><div><div><div>Blockchain-based accreditation and degree verification system</div><div><ul style="list-style-type: none"><li>A blockchain-based system for issuing, verifying, and revoking academic credentials with immutability and real-time verification using Hyperledger Besu and Solidity smart contracts.</li><li>Used Hardhat &amp; OpenZeppelin for smart contract testing and deployment, implementing Role-Based Access Control (RBAC) for</li></ul></div></div></div><div><div><div>Blockchain Lottery system.</div><div>Solidity, Ethereum, Web3.js, React.js, JavaScript, Node.js:<ul style="list-style-type: none"><li>Implemented the lottery logic using Solidity, including functions for player entry, random winner selection, and prize distribution</li><li>Used Web3.js to connect the React frontend with the Ethereum blockchain, allowing users to participate in the lo</li></ul></div></div></div><div><div><div>Breakout Clone.</div><div>Cloned official breakout.com.pk website MERN<ul style="list-style-type: none"><li>Cloned the user interface of breaktout.com.pk using React.js for a dynamic and responsive design.</li><li>Developed backend logic and APIs with Node.js and Express, integrating with a MongoDB database.</li><li>Achieved full-stack integration using the MERN stack to replic</li></ul></div></div></div><div><div><div>Jotion - Notion Clone with Next.js</div><div><ul style="list-style-type: none"><li>Built a Notion-inspired platform using Next.js, enabling real-time collaborative document editing with a familiar, intuitive interface.</li><li>Supports infinite child documents, real-time dynamic icons, collapsible and expandable sidebar navigation, and mobile responsiveness for a seamless experience across de</li></ul></div></div></div></div>
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CAVALRY GROUNDS

Innovative Computer Scientist with a strong focus on Machine Learning and Artificial Intelligence, currently completing a Bachelor's degree at NUST Islamabad. Bringing hands-on research experience in hybrid retrieval frameworks and ML pipelines, along with robust skills in Python, C++, web development, and data analysis, I am eager to contribute cutting-edge solutions to both academic and industry challenges.

- Data engineering
- Distributed systems
- Big data analytics
- Paint 3d
- Operating systems
- Gui design on visual studio
- Convolutional neural networks
- Recurrent neural networks

- German language (a1 level)
- Analytical thinking
- Coding
- Gui(tkinter)
- Fine art
- Modelsim
- Communication skills
- Self-management skills

To be furnished upon request.

**BS in Computer Science**  
School of Electrical Engineering and Computer Science , 3.63  
**Matric / O levels**  
, (2018)  
**Intermediate / A levels**  
, (2021)  
**Matriculation**  
Army Public School, Hamza Camp , 97.02% (2018)  
**FSc**  
Army Public College, Hamza Camp , 95.45% (2021)  
**High School**  
Robert Service High School , (2019)  
**Bachelors of Science in Computer Science**  
School of Electrical Engineering and Computer Science , 3.63/4.00 (2025)

**Victreat ( 24-Dec-2024 - 06-Mar-2025 )**  
Data Science Intern

**University of California, Davis ( 10-Jun-2024 - 06-Sep-2024 )**  
Machine Learning Intern

## Junior Software Developer

I worked on a search engine project that involved understanding the fundamental concepts and algorithms behind search engines, such as PageRank, forward and inverted indexing, and lexicons. The project required me to research how Google searches work and apply that knowledge to develop a functional search eng

I worked on a project that involved visualizing an Intel 8086 processor, which is a 16-bit microprocessor used in early personal computers. The project required me to understand the inner workings of the processor, including its registers, data storage, and processing capabilities. Using HTML, CSS & JS, I sim

I developed a college management system using MySQL for database management and HTML, PHP for the user interface. The system catered to three main users - admin, teachers, and students. Students could view their grades, attendance, and GPA in a read-only format, while teachers had editing rights to update stu

I worked on a web-based visual IDE for PHP using HTML, CSS, JavaScript, and PHP. The project involved creating a user-friendly interface that enabled users to drag and drop programmable components, which would generate skeleton code. The user could then enter custom values to generate equivalent code in PHP.



# Muhammad Zaeem Khalid



# Abdullah Saim

<b>Details</b> Cell: 923349165719 Email: zaeemkhalid070@gmail.com Address: STREET NO 3-B , LANE NO : 5 , BAQIR COLONY , ,LALAZAR ESTATES RAWALPINDI.  Rawalpindi , Pakistan	<b>Professional Profile</b>  Enthusiastic and detail-oriented Computer Science student at NUST with a passion for full-stack web development, product design, and UI/UX. Seeking opportunities to leverage my technical skills in JavaScript, React, Node.js, and PostgreSQL to contribute to innovative projects. Eager to collaborate in dynamic environments, solve complex problems, and continuously enhance my expertise in software development and product management.
<b>Technical Skills</b> <ul style="list-style-type: none"><li>• Web development frameworks</li><li>• Javascript (es6)</li><li>• Nodejs</li><li>• React</li><li>• Mongodb (database)</li><li>• Express, nodejs</li><li>• Web design and developmnt</li><li>• Javascript(es6)</li></ul>	<b>Education</b> <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 2.93 <b>Matric / O levels</b> , (2018) <b>Intermediate / A levels</b> , (2020) <b>Bachelors of Computer Science</b> NUST , 2.94 (2025)
<b>Soft Skills</b> <ul style="list-style-type: none"><li>• Strong work ethics</li><li>• Networking</li><li>• Situational awareness</li><li>• Flexibility and adaptability</li><li>• Managing</li><li>• Reasoning</li><li>• Determined and resolute</li><li>• Fast improvisation</li></ul>	<b>Internship Experience</b>  <b>Shadiyana ( 27-Jan-2025 - 27-Mar-2025 )</b> <ul style="list-style-type: none"><li>• Developed features for existing websites and mobile applications using React, Next.js, and React Native</li><li>• Worked with backend technologies including Node.js, TypeScript, and PostgreSQL</li><li>• Fixed bugs and improved functionality across the company's web and mobile platforms</li></ul> <b>Interns Pak ( 01-Feb-2023 - 30-Apr-2023 )</b> <ul style="list-style-type: none"><li>• Mastered HTML, CSS, and JavaScript fundamentals, creating interactive and visually appealing user interfaces</li><li>• Gained practical experience in WordPress development, efficiently building and managing websites</li><li>• Enhanced problem-solving and coding skills through various challenging tasks and projects</li></ul>
<b>Reference</b> To be furnished upon request.	<b>Projects</b>  <b>FloodForecast</b> <ul style="list-style-type: none"><li>• Developed a flood prediction system that analyzes satellite weather data of Pakistan and Indus river to predict f lood risks</li><li>• Built the web interface using Next.js to provide public access to flood risk information and predictions</li><li>• Implemented user authentication and email notification system to</li></ul> <b>OpinionMap- Interactive Comment Visualization Platform</b> <ul style="list-style-type: none"><li>• Developed a Next.js project that allows users to create topics and submit comments or opinions</li><li>• Implemented Redis and Upstash for efficient data storage and retrieval</li><li>• Utilized the Airbnb visx library to create an interactive word map visualization of user comments</li></ul>

<b>Details</b> Cell: 923008438161 Email: abdullah.saim.as@gmail.com Address: 219-C MILITARY ACCOUNTS CO-OPERATIVE HOUSING SOCIETY, COLLEGE ROAD  Lahore , Pakistan	<b>Professional Profile</b>  Motivated computer science professional with hands-on experience in machine learning, AI, and web development. Proven track record in developing AI-powered applications, including deep learning projects for video retrieval, sign language recognition, and distributed systems. Skilled in computer vision techniques, natural language processing, and full-stack development with React, Flask, and the MERN stack. Seeking opportunities in research and roles focused on advancing innovations in Computer Vision, AI, and web technologies, with a passion for leveraging cutting-edge solutions to solve real-world challenges
<b>Technical Skills</b> <ul style="list-style-type: none"><li>• Agile and waterfall methods</li><li>• Android</li><li>• Python/java/c++/octave</li><li>• Kali linux</li><li>• Micro-controllers(pic, arduino)</li><li>• Azure cloud platform</li><li>• C, c++, java and python</li><li>• Web development</li></ul>	<b>Education</b>  <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 3.83 <b>Matric / O levels</b> , (2019) <b>Intermediate / A levels</b> , (2021) <b>FSc. Pre Engineering</b> Punjab Group of Colleges , 1053/1100 (2021) <b>Matriculation</b> The Punjab School , 1065/1100 (2019)
<b>Soft Skills</b> <ul style="list-style-type: none"><li>• Team workshop</li><li>• Filmora</li><li>• Analytical thinking</li><li>• Self-management skills</li><li>• Teamwork, flexibility</li><li>• Team management skills</li><li>• Group work</li><li>• Problem solving skills</li></ul>	<b>Internship Experience</b>  <b>Pakistan Railways (NITB) ( 22-Aug-2022 - 12-Sep-2022 )</b> Consultant Quality Assurance Assessment Team (NUST) QA Testing of "Safar Saheli" app for Pakistan Railways  <b>NUSTIAN USA International Summer Research Internship Program ( 01-Jul-2024 - 01-Oct-2024 )</b> Collaborated with Prof. Zubair Shafique from UC Davis on the project “A Graph-based ML Approach to Detecting JavaScript-based Online Tracking.” Conducted in-depth research on cookies, analyzing their functionality and role in online privacy. Developed a machine learning model to categorize cookies based on t
<b>Reference</b> To be furnished upon request.	

Projects

Shuttle Service App

Desktop Application in Java for Shuttle Service of NUST

Water Management System

Monitors the water level of Tank and keep updated on Web/Mobile App

Time Table Generator

Generates Timetable in excel sheet and gives the available slots for makeup classes

JanWhere - React App

JanWhere is a web application that uses the MERN stack and Google Maps API to allow users to explore and conserve indigenous animal species in Pakistan. Users can locate and mark wildlife sightings on an interactive map, upload pictures of their encounters, and learn more about the animals and their conservat



Muhammad Abdullah

Details

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Near main office kahyaban e naveed  
Sargodha , Pakistan

Technical Skills

- Web development frameworks
- Specialization in python
- React
- Html, css, ajax, javascript
- Mern stack
- Php, laravel, vue.js, mysql
- Aws

Soft Skills

Reference

To be furnished upon request.

Professional Profile

Computer Science undergraduate with expertise in web development and machine learning. Experienced in building scalable applications, contributing to regulatory NLP research (FUSIONRAG), and developing impactful projects. Proficient in React, Next.js, Python, and Kubernetes, with a strong focus on efficiency and innovation.

Education

**BS in Computer Science**  
School of Electrical Engineering and Computer Science , 3.75  
**Matric / O levels**  
, (2019)  
**Intermediate / A levels**  
, (2021)  
**BSCS**  
NUST- SEECS , 3.75 (2025)

Internship Experience

**Bytewise Limited ( 01-Jun-2024 - 01-Aug-2024 )**  
◦ Built responsive apps with Next.js and React. ◦ Integrated APIs and optimized performance. ◦ Debugged and improved scalability.

**CHKK ( 07-Dec-2024 - 01-Apr-2025 )**  
◦ Preparing for AWS Certified Developer Associate. ◦ Strengthening DSA skills via Educative. ◦ Gaining hands-on Kubernetes experience.

Projects

**Scototo**  
◦ Built a platform for seamless text, voice, and video communication for individuals and teams. ◦ Tools Used: Next.js, SQL, Socket.IO, Tailwind, Clerk.

**FUSIONRAG: Enhancing Regulatory Document Analysis**  
Published at COLING 2025. Developed FUSIONRAG, combining OpenAI embeddings, BM25, FAISS, and Rank-Fusion for improved regulatory information retrieval and answer generation.

**Kisan- Farmer Support App**  
◦ Developed an app connecting farmers with crop-specific data, disease detection, and recommendations to improve productivity. ◦ Tools Used: Node.js, React, MongoDB, Express.



# Mohammad Irfan



# Muhammad Taha Mukhtar

<b>Details</b> Cell: 923407557854 Email: erfanhmohammad539@gmail.com Address: VILLAGE AND P/O BOX CHUINJ, TEHSIL MASTUJ,DISTRICT CHITRAL  Chitral , Pakistan		<b>Professional Profile</b>  To obtain a research internship position at TUKL-DLL for Summer 2023, and gain hands-on experience in machine learning, computer vision, and artificial intelligence while contributing to the lab's ongoing research and development efforts.	
<b>Technical Skills</b> <ul style="list-style-type: none"><li>Mern stack</li><li>Python, c++, java, javascript</li></ul>		<b>Education</b> <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 3.28 <b>Matric / O levels</b> , (2018) <b>Intermediate / A levels</b> , (2020) <b>HSSC/FSC</b> Aga Khan Higher Secondary School Chitral , 89.3% (2020) <b>SSC/Matric</b> Aga Khan Higher Secondary School Chitral , 87.3% (2018)	
<b>Soft Skills</b> <ul style="list-style-type: none"><li>Teamwork, flexibility</li><li>Multi tasking</li><li>Problem solving skills</li><li>Quick learner</li></ul>		<b>Internship Experience</b>	
<b>Reference</b> To be furnished upon request.		<b>Projects</b> <b>Research project on Artificial Intelligence, in First Semester</b> Conducted a research project on the impact of AI on various industries and its future implications. Conducted a literature review of various research articles, books, and whitepapers related to AI. Developed a conceptual framework to identify the key drivers and challenges of AI adoption in different indust	

<b>Details</b> Cell: 923310148548 Email: tahamukhtar20@gmail.com Address: CB-679, KASHMIR COLONY, RAHWALI, GUJRANWALA CANTT.  Gujranwala , Pakistan		<b>Professional Profile</b>  A dedicated Computer Science student with a strong passion for math, problem-solving, and programming who has been involved with renowned international open-source communities and research groups, collaborating on innovative projects, and delivering impactful solutions for societal problems. Proficient in Full-stack development and deep learning, I use technology to address difficult problems in various domains of science.	
<b>Technical Skills</b> <ul style="list-style-type: none"><li>Digital marketing</li><li>Typescript</li><li>Javascript (es6)</li><li>Mongodb (database)</li><li>Docker</li><li>Mern stack</li><li>Aws</li><li>Tensorflow/pytorch</li></ul>		<b>Education</b> <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 2.99 <b>Matric / O levels</b> , (2019) <b>Intermediate / A levels</b> , (2021)	
<b>Soft Skills</b> <ul style="list-style-type: none"><li>Strategic communications</li></ul>		<b>Internship Experience</b> <b>Google Summer of Code -- CVAT.ai ( 01-May-2024 - 27-Aug-2024 )</b> <ul style="list-style-type: none"><li>Improved the CVAT platform by adding a user-configurable shortcut system, enhancing annotation efficiency.</li><li>Tested new shortcut features with Cypress, achieving 100% test coverage.</li><li>Contributed to integrating Meta's SAM into CVAT.ai's codebase beyond the program's scope.</li></ul>	
<b>Reference</b> To be furnished upon request.		<b>Deutsches Forschungszentrum für Künstliche Intelligenz ( 03-Jun-2024 - 01-Aug-2024 )</b> <ul style="list-style-type: none"><li>Engineered a semi-supervised model for detecting informal settlements using remote sensing.</li><li>Applied techniques like FixMatch, domain adaptation between cies and pseudo-label refinement via SAM2.</li><li>Leveraged Germany's largest deep learning infrastructure with H100/A100 GPUs for advanced AI research.</li></ul>	
		<b>Projects</b> <b>Slum-i, Research Project</b> <ul style="list-style-type: none"><li>Worked on a €80,000 DAAD-funded project in collaboration with RPTU &amp; DFKI, where I interned in Germany.</li><li>Aligned with 3 UN SDGs, focusing on improving living conditions for slum dwellers in Pakistan.</li><li>Upcoming publication in a top remote sensing journal, using SSL for segmenting informal settlements.</li></ul> <b>lang-source, Open Source Project</b> <ul style="list-style-type: none"><li>Created a CLI utility using the Gemini API to automate localisation workflows, supporting 12 languages and reducing manual effort in creating JSON/YAML language files.</li><li>Published as an npm package with 500+ downloads and has 5 Stars on GitHub.</li></ul>	



# Umama Zainab



# Abdul Ahad Qureshi

<b>Details</b> Cell: 923481694445 Email: uzainab.bscs21seecs@seecs.edu.pk Address: Ayesha Hostel, NUST, H-12 Sector Islamabad Indus loop Islamabad , Pakistan	<b>Professional Profile</b>  Seeking a position in a dynamic and growth-oriented environment to utilize my skills in web development, machine learning, and artificial intelligence. Leveraging my proficiency in Python, C++, HTML, CSS, JavaScript, MySQL, React, React Native, MongoDB, Node.js, and the MERN stack, along with project experience in building responsive applications and AI models. I aim to contribute to innovative projects, enhance my existing skills, and gain hands-on experience in new areas within the field of computer science to grow as a well-rounded and innovative professional.
<b>Technical Skills</b> <ul style="list-style-type: none"><li>• Web development frameworks</li><li>• Python/java/c++/octave</li><li>• Nodejs</li><li>• Mongodb</li><li>• Front end web development</li><li>• Mongodb</li><li>• Expressjs</li><li>• Html, css, javascript</li></ul>	<b>Education</b> <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 2.47 <b>Matric / O levels</b> , (2019) <b>Intermediate / A levels</b> , (2021) <b>Bachelor's in Computer Science (BsCS)</b> School of Electrical Engineering and Computer Sciences(SEECS) , 2.5 (2025) <b>Intermediate</b> Ideal Degree College , 871 (2021) <b>Matriculation</b> Bloom Field Hall School , 1037 (2019)
<b>Soft Skills</b> <ul style="list-style-type: none"><li>• Database design (sql,mongodb)</li><li>• Microsoft word, excel, project</li><li>• Competitiveness</li><li>• Python</li><li>• Microsoft</li><li>• Exel</li><li>• C++ programming</li><li>• Javascript</li></ul>	<b>Internship Experience</b> <b>Job as Senior Frontend Developer – Startify Funpulse, NSTP NUST (Part time) ( 04-Oct-2024 - 15-Jan-2025 )</b> <b>Prompt Engineer – AI Language Model Training ( 02-May-2024 - 15-Nov-2024 )</b> <b>EMR Chains - Internship MERN Stack Developer ( 12-Jul-2023 - 12-Aug-2023 )</b> <b>Freelance Web Developer ( 15-Sep-2022 - 15-Jan-2025 )</b>
<b>Reference</b> Name: Company: Phone: Email:	<b>Projects</b> <b>Mobile App Using React Native - FindMyStay (Final Year Project)</b> Developing a full-fledged mobile application for hostellites, inspired by Airbnb. The app includes complete backend functionality using Node.js and MongoDB, along with a responsive UI built in React Native. It integrates features like user authentication, property listings, booking management, and real-time n  <b>Grandventurers – Travel Agency Website</b> Developed a responsive and user-friendly travel agency website using Node.js for full-stack functionality. The platform features a portfolio, blog, and review section, enhancing customer engagement. Successfully deployed on AWS to ensure scalability and performance.  <b>Startify Web Projects</b> Designed and developed and deployed Startify Funpulse's website, showcasing their expertise in web and game development. The platform features an interactive portfolio, client testimonials, and a responsive layout optimized for seamless navigation and performance, effectively promoting their services and crea  <b>Emotion Detection Model</b> Implemented a CNN-based model for detecting emotions from images, utilizing Python and TensorFlow. This project strengthened my skills in deep learning and image recognition.

<b>Details</b> Cell: 923328570566 Email: asad.fahmeem@aiou.edu.pk Address: HOUSE#19, BLOCK#C-3, RESIDENTIAL COLONY, AIOU, H-8  Islamabad , Pakistan	<b>Professional Profile</b>  Please update objective section.
<b>Technical Skills</b>	<b>Education</b> <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 3.42 <b>Matric / O levels</b> , (2019) <b>Intermediate / A levels</b> , (2021)
<b>Soft Skills</b>	<b>Internship Experience</b> <b>Elevate Network ( 01-Jul-2022 - 01-Sep-2022 )</b> <ul style="list-style-type: none"><li>• Spearheaded the design phase of web projects, translating client requirements and brand guidelines into visually appealing and intuitive Figma prototypes.</li><li>• Developed a management software application to be used within the organization to manage 50+ employees.</li><li>• Collaborated with cross-functional</li></ul> <b>Vaasel ( 01-Jul-2023 - 01-Sep-2023 )</b> <ul style="list-style-type: none"><li>• Actively participated in developing a responsive and user-friendly web application for Vaasel's client, ensuring seamless user experiences across various devices.</li><li>• Successfully integrated external APIs to fetch and display real-time data, enhancing the functionality and relevance of the web applic</li></ul> <b>Wilspun Technical Services ( 01-Mar-2024 - 01-Jul-2024 )</b> <ul style="list-style-type: none"><li>• Developing a scalable management system targeted for 100+ daily users.</li><li>• Collaborate with the project manager and stakeholders to create requirements documents and Figma designs.</li></ul>
<b>Reference</b> To be furnished upon request.	<b>Projects</b> <b>Hostel Management System   React.js, Node.js, Express.js, MongoDB</b> <ul style="list-style-type: none"><li>• Worked in a group of 2 to develop a complete solution to the hostel needs.</li><li>• Utilized React.js for real-time updates and seamless manager-student experience.</li></ul> <b>Real-time Chat Application   ReactJS, Express.js, Nodejs, MongoDB, Socket.io</b> <ul style="list-style-type: none"><li>• Developed areal-time chat application using the Web Sockets.</li><li>• Authentication using JSON Web Token (JWT).</li></ul> <b>ChatGPT API   Next.js, GPT API</b> <ul style="list-style-type: none"><li>• Seamless integration of GPT API with Next.js 13</li></ul>



# Wahaj Ahmad Butt



# Afaq Ahmad

<b>Details</b> Cell: 923015031253 Email: wahajahmedbutt@gmail.com Address: HOUSE NO. DT 204, SADIQABAD St 3 Rawalpindi , Pakistan		<b>Professional Profile</b>  Highly driven and results-oriented individual with hands-on experience in back-end development, machine learning, and distributed systems. Skilled in Python, JavaScript, PHP, and a variety of frameworks and libraries (React, Laravel, Flask, TensorFlow, PyTorch etc.) to create robust, scalable solutions. Eager to leverage strong problem-solving abilities and collaborative approach to contribute to cutting-edge projects that merge innovation with real-world impact.	
<b>Technical Skills</b> <ul style="list-style-type: none"><li>Tensorflow/pytorch</li><li>Back-end developer</li><li>Html, css, bootstrap, node.js</li><li>React / node.js / apis</li><li>Machine learning</li><li>Office 365</li></ul>		<b>Education</b> <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 2.9 <b>Matric / O levels</b> , (2019) <b>Intermediate / A levels</b> , (2021) <b>Bachelor of Computer Science</b> National University of Science and Technology , ()	
<b>Soft Skills</b> <ul style="list-style-type: none"><li>Microsoft word, excel, project</li><li>Fast improvisation</li><li>Problem solving and innovation</li><li>English speaking and writing</li><li>Empathy</li><li>Teamwork &amp; collaboration</li></ul>		<b>Internship Experience</b> <b>N-Rays International ( 01-Jun-2023 - 31-Aug-2023 )</b> Back End Developer: Collaborated on the development and maintenance of various web applications with other interns.	
<b>Reference</b> To be furnished upon request.		<b>Projects</b> <b>Visual Question Answering for Real-World Images</b> Designed a VQA model combining convolutional neural networks (ResNet50) for image feature extraction and transformer-based language models (BERT) for question encoding. Evaluated on the processed DAQUAR dataset, analyzing performance using accuracy and semantic similarity metrics – reaching a Validation A  <b>Fake Review Detector</b> Developed a system to identify fake reviews using advanced natural language processing models (BERT, RoBERTa, XLNet, GPT-2). Fine-tuned each model on a labeled dataset of real and fake reviews for classification purposes.  <b>Palingenesis</b> Created a chat and video calling Laravel application using Web-RTC for connectivity. Made use of JWT web tokens for user authentication and stores data in a MySQL database. Also wrote extensive documentation, drawing up ERDs for the relation between various functionalities.  <b>Emotion-Based Music Recognition System</b> Created a music recommendation system leveraging artificial intelligence to provide accurate music suggestions based on the user's emotional state, detected via a camera. Utilized the FER2013Plus dataset for emotion recognition and ResNet50 as the base CNN model, achieving an 82.7% accuracy. The Deezer	

<b>Details</b> Cell: 923038478262 Email: 522656afaq@gmail.com Address: ABDULLAHPUR KOLAR CHAK NO. 282 P/O BOX SAMETEH SILE SAFDARABAD DISTRICT SHEIKHUPURA  Seikhupura , Pakistan		<b>Professional Profile</b>  An aspiring Machine Learning enthusiast with a passion for leveraging data-driven insights to solve complex challenges. My academic background includes coursework in Data Structures and Algorithms, Artificial Intelligence, and Python programming. Eager to contribute to impactful AI projects in healthcare and beyond, I am dedicated to continuous learning in the field of Machine Learning.	
<b>Technical Skills</b> <ul style="list-style-type: none"><li>Python socket programming</li><li>Convolutional neural networks</li><li>Python, keras</li><li>Tensorflow, scikit-learn</li><li>Networking tools (wireshark)</li><li>Databases</li><li>Office 365</li></ul>		<b>Education</b> <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 3.28 <b>Matric / O levels</b> , (2019) <b>Intermediate / A levels</b> , (2021) <b>F.Sc pre Engineering</b> Kips College , 96.3% (2021) <b>Matric</b> ASAS school , 93.7% (2019)	
<b>Soft Skills</b> <ul style="list-style-type: none"><li>Curiosity</li><li>Teamwork &amp; collaboration</li><li>Punctual and responsible</li></ul>		<b>Internship Experience</b> <b>ONT lab Seecs ( 05-Jun-2023 - 05-Sep-2023 )</b> we worked on a web-based application that controlled and analyzed the activity of Rodum devices. My responsibilities included to develop a database management systems for efficient data storage that can be used for model training in future.	
<b>Reference</b> To be furnished upon request.		<b>Projects</b> <b>Sign Language Detection</b> Sign Language Detection System (AI Project): In an AI project, I led a team in developing a Sign Language Detection system using AI techniques. I applied machine learning algorithms and data preprocessing techniques for accurate gesture recognition  <b>Search Engine</b> Python Search Engine (DSA Project): As part of my coursework in Data Structures and Algorithms, I developed a search engine prototype in Python for ranking and searching academic papers based on keywords.	



To be furnished upon request.

- Reviewed over 300 research and review papers on cephalometric landmark detection, summarizing key findings and trends.
- Designed clear and engaging diagrams and infographics to enhance the understanding of concepts presented in the review paper.
- Collaborated with team members to ensure timely completion of the review.

- Developed a license plate recognition system using Python and OpenCV. • Implemented image processing techniques including grayscale conversion, bilateral filtering, and Canny edge detection for preprocessing. • Utilized contour detection to locate the license plate region in the image. • Employed the Eas



# Abduhu Khan



# Taha Ahmed

## Details

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Islamabad , Pakistan

## Technical Skills

- Data engineering
- Big data analytics
- Web development frameworks
- Python/java/c++/octave
- Convolutional neural networks
- Recurrent neural networks
- Computer vision
- Specialization in python

## Soft Skills

- Strategic communications
- Analytical thinking
- Managing multiple priorities
- Reasoning and resilience
- Communication skills
- Leadership and communication
- Communication and presentation
- Team management skills

## Reference

To be furnished upon request.

## Professional Profile

Detail-oriented individual with a passion for data analytics, proficient in data manipulation and interpretation techniques. Eager to apply analytical skills through insightful data-driven solutions. Driven to learn and work hard to exhibit a solid understanding and expertise in the industry.

## Education

**BS in Computer Science**  
School of Electrical Engineering and Computer Science , 3.18  
**Matric / O levels**  
, (2019)  
**Intermediate / A levels**  
, (2021)  
**BS Computer Science**  
National University of Sciences and Technology , (2025)

## Internship Experience

**PTCL Ufone ( 01-Jul-2024 - 01-Aug-2024 )**  
**Bytewise ( 03-Jun-2024 - 02-Sep-2024 )**  
**Excelerate ( 01-Aug-2023 - 01-Sep-2023 )**  
**CodSoft ( 01-Aug-2023 - 01-Sep-2023 )**  
**Forge ( 03-Jul-2023 - 01-Aug-2023 )**

## Projects

**COVID-19 Data Analysis**  
Initiated COVID-19 Data Analysis project, leveraging Python tools and methodologies to gain valuable insights into pandemic trends and implications.

**Plant Disease Detection**  
Applied ML algorithms and image processing techniques to innovate plant disease detection, contributing to data-driven agricultural solutions.

**JAZZ Data Hackathon: Sales Analysis Dashboard**  
Developed a sales analysis dashboard using Tableau as part of the JAZZ Data Hackathon competition, showcasing a keen interest in leveraging data for strategic insights. Led the design and implementation of the dashboard, focusing on intuitive visualization and key metric identification.

**From Data to Decisions: A Robust Framework for Predictive Smog Analysis (Smog Nexus)**  
Developed an advanced smog prediction and analysis framework using deep learning techniques to forecast smog severity with high accuracy. Integrated historical and real-time pollutant and weather data to identify key contributors to smog, such as industrial emissions and vehicular pollution. Designed an inter

## Details

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Street 4,  
Officers colony lane 6, misrial road rawalpindi , Pakistan

## Technical Skills

- Nodejs
- Proficient in c & c++
- Reactjs
- Network programming
- Flutter
- Knowledge of html & css
- Blockchain
- Databases

## Soft Skills

- Problem solving skills
- Punctual and responsible

## Reference

To be furnished upon request.

## Professional Profile

An enthusiastic computer science student with a strong coding background and a passion for technology. Seeking opportunities to apply theoretical knowledge to real-world projects and eager to contribute to innovative solutions.

## Education

**BS in Computer Science**  
School of Electrical Engineering and Computer Science , 3.13  
**Matric / O levels**  
, (2019)  
**Intermediate / A levels**  
, (2021)

## Internship Experience

## Projects

**Cerberus: A Blockchain-Based Accreditation and Degree Verification System**  
Leveraged Ethereum, Solidity, and Hardhat for developing smart contracts. Stored Merkle roots on-chain and embedded verification data in QR codes printed on degrees. Created a Flutter app for verification using QR code scanning and a React web app to generate QR codes and manage transactions.

**Facial Emotion Recognition**  
It is an AI project implemented in Python using TensorFlow and OpenCV that can detect emotions from people's faces in pictures or videos. Built a model using ResNet50V2 as the base model. The model was trained on five emotion classes from the FER2013 dataset and achieved 75% test accuracy.

**Napster Clone**  
Developed a peer-to-peer file-sharing application in Java using Solr servers for metadata storage. Integrated a load balancer for efficient search requests. Users can publish, remove, search, and download files, with searches displaying only online files. File downloads occur directly between users.

**ProKisan**  
Developed a website using Laravel, Bootstrap, and MySQL to connect farmers directly to the market, eliminating middlemen to ensure fair prices. Implemented features such as user registration, product listing, search, order management, and rating and reviews.



# Syed Aon Raza



# Habib Ullah Khan

<b>Details</b> Cell: 923330506686 Email: razasyedaon123@gmail.com Address: HOUSE NO. 47 DAD KHAN COLONY, NEAR CHAKLALA SCHEME 3  Islamabad , Pakistan	<b>Professional Profile</b>  AI Engineer with a mission to revolutionize industries and enhance societal welfare through the development of innovative AI-based products. Committed to creating solutions that not only address real-world challenges but also foster job creation and economic growth. Aspiring to establish a pioneering AI products company dedicated to advancing technology for the betterment of society, while promoting innovation and sustainability on a global scale.
<b>Technical Skills</b> <ul style="list-style-type: none"><li>• Data engineering</li><li>• Data cleansing and analysis</li><li>• Flask</li><li>• Business writing</li><li>• Research and technical writing</li><li>• MongoDB</li><li>• Software testing</li><li>• Docker   kubernetes</li></ul>	<b>Education</b> <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 3.55 <b>Matric / O levels</b> , (2019) <b>Intermediate / A levels</b> , (2021) <b>Bachelor of Science in Computer Science</b> National University of Sciences and Technology , 3.6 (2025)
<b>Soft Skills</b> <ul style="list-style-type: none"><li>• Strong work ethics</li><li>• Communication skills</li><li>• Versatility</li><li>• Communication and presentation</li><li>• Entrepreneurial skills</li><li>• Project and team management</li><li>• Problem solving and innovation</li><li>• English speaking and writing</li></ul>	<b>Internship Experience</b>  <b>High Performance Computing Lab, NUST ( 24-Jun-2024 - 23-Aug-2024 )</b> <ul style="list-style-type: none"><li>• Fine-tuned large language models (LLMs) to enhance performance for specialized tasks. • Designed and implemented Retrieval-Augmented Generation (RAG) pipelines using LangChain, achieving 95% accurate contextual responses. • Deployed prototype AI chatbots for real-world testing, showcasing advanced conver</li></ul>
<b>Reference</b> To be furnished upon request.	<b>Projects</b> <b>Student Evaluation and Feedback System Using LLMs</b> <ul style="list-style-type: none"><li>• Engineered a robust backend in Django to integrate LLM APIs for automating online quiz evaluations, reducing manual grading by 70%. • Implemented RAG pipelines for real-time personalized feedback, improving student engagement. • Designed and managed a scalable PostgreSQL database to securely handle stude</li></ul> <b>Financial Exam Question Answering Using Llama 3</b> <ul style="list-style-type: none"><li>• Engineered a high-precision question-answering pipeline for CFA and CPA exams achieving an F1 score of 0.755 on a dataset of 1,200 questions. • Built an intention detector using BART-large to classify question types, enhancing pipeline precision to 0.880. • Applied chain-of-thought prompting for reasonin</li></ul>

<b>Details</b> Cell: 923083964365 Email: habibkhan713713@gmail.com Address: HOUSE#418-B ST#188 G-7/3-1 ISLAMABAD  Islamabad , Pakistan	<b>Professional Profile</b>  Aspiring Flutter developer with a solid understanding of Dart and mobile UI/UX principles. Eager to apply my skills in building responsive and scalable cross-platform applications while continuously learning and growing in a dynamic development environment.
<b>Technical Skills</b> <ul style="list-style-type: none"><li>• React</li><li>• Html/css 5</li><li>• Html, css, ajax, javascript</li><li>• Mysql &amp; python programming lan</li><li>• C, c++, mysql &amp; python</li><li>• React / node.js / apis</li></ul>	<b>Education</b> <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 2.91 <b>Matric / O levels</b> , (2018) <b>Intermediate / A levels</b> , (2021)
<b>Soft Skills</b> <ul style="list-style-type: none"><li>• Web engineering (mean stack)</li><li>• Problem solving and innovation</li><li>• English speaking and writing</li><li>• Good listner</li><li>• Creativity</li><li>• Strategic communications</li><li>• Teamwork &amp; collaboration</li><li>• Leadership qualities</li></ul>	<b>Internship Experience</b>  <b>Mjk ( 01-Oct-2024 - 30-Jan-2025 )</b> Flutter app developmer
<b>Reference</b> To be furnished upon request.	<b>Projects</b>  <b>Balls palsy detection</b> AI app that detects balls palsy  <b>Video Steganography</b> Desktop app that hides data inside a video  <b>AR/VR virtual tryon</b> Virtual tryon app for tshirts  <b>VQA for pathology</b> Visual question answering app for pathology dataset

<div><div>Tarteel Imran</div></div>	
<div><div>Details</div><div>Cell: 923275970043</div><div>Email: tarteelimran@gmail.com</div><div>Address: House#32 PMA Lane 2</div><div>Abbottabad</div><div>Abbottabad , Pakistan</div></div>	<div><div>Professional Profile</div><div><ul style="list-style-type: none"><li>To leverage my technical skills in web and app development to create innovative solutions and enhance user experience.</li><li>To work in a dynamic and growth-oriented environment, where I can apply my knowledge of the MERN stack and mobile app development to contribute to the success of the organization.</li><li>To continuously improve my skills, learn new technologies, and grow professionally in the field of software development.</li><li>To collaborate with cross-functional teams to deliver high-quality projects, while meeting deadlines and exceeding expectations.</li><li>To contribute to the development of products that make a positive impact on users and businesses.</li></ul></div></div> <div><div>Education</div><div><div><div>BS in Computer Science</div><div>School of Electrical Engineering and Computer Science , 2.76</div></div><div><div>Matric / O levels</div><div>, (2017)</div></div><div><div>Intermediate / A levels</div><div>, (2020)</div></div><div><div>Intermediate</div><div>Pakistan International Public School and College , 944 (2019)</div></div><div><div>Bachelors in Computer Science</div><div>National University of Sciences and Technology , 2.8 (2025)</div></div></div></div> <div><div>Internship Experience</div><div><div><div>Nalexus Technologies ( 24-Jul-2023 - 25-Aug-2023 )</div><div>Developed a Travel Blog Website with engaging content and responsive design. Created a Science Fiction Website with dynamic features and user-friendly navigation. Designed and built an NGO Website to showcase social initiatives and facilitate donations. Worked with front-end and back-end technologies to en</div></div><div><div>EMR Chains ( 12-Jul-2023 - 12-Aug-2023 )</div><div>Developed backend projects using the MERN Stack (MongoDB, Express.js, React, Node.js). Designed and implemented RESTful APIs for seamless data exchange. Optimized database performance and handled CRUD operations in MongoDB. Integrated authentication and authorization using JWT and OAuth. Collaborated with</div></div></div></div>
<div><div>Technical Skills</div><div><ul style="list-style-type: none"><li>Web development frameworks</li><li>Front end web development</li><li>Html/css 5</li><li>Reactjs</li><li>Html, css, javascript</li><li>React   vue</li><li>Programming: java, c/c++, php</li><li>Back-end developer</li></ul></div></div>	
<div><div>Soft Skills</div><div><ul style="list-style-type: none"><li>Web engineering (mean stack)</li><li>Leadership and communication</li><li>Communication oral/written</li><li>Flexibility and adaptability</li><li>Efficient</li><li>Problem solving skills</li><li>Mern stack web developer</li><li>Verbal communication</li></ul></div></div>	
<div><div>Reference</div><div>To be furnished upon request.</div></div>	

<div>Projects</div> <div><div><div>website for an NGO</div><div>Developed a responsive and user-friendly website for an NGO to promote its mission, showcase initiatives, and facilitate donations. The website included key features such as: Home Page with an overview of the NGO's mission and impact. Projects Section to highlight ongoing and completed initiatives. Donat</div></div><div><div>Science Fiction website</div><div>Developed a feature-rich science fiction website with an engaging and interactive user experience. Key features included: Horoscope Section providing daily, weekly, and monthly astrological insights. Futuristic Stories &amp; Articles exploring sci-fi concepts, space exploration, and advanced technology. Inte</div></div><div><div>Hostel Accomodation App</div><div>Developed a hostel booking and management app to help students and professionals find safe, budget-friendly hostels near their universities or workplaces. The app included the following key features: Hostel Listings with details on pricing, amenities, and location. Search &amp; Filters to find hostels based o</div></div></div>
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# Hafiz Muhammad Ahmad Raza Khan



# Muhammad Wasam Khan

<b>Details</b> Cell: 03331667722 Email: m.ahmadraza.wrk@gmail.com Address: MUHALLAH MAQSOODABAD STREET#4, NEAR RAJA CODECHOCK, PEOPLES COLONY#2, FAISALABAD. POSTAL 38090  Faisalabad , Pakistan	<b>Professional Profile</b>  Aspiring AI and machine learning engineer with a strong foundation in NLP, deep learning, and full-stack development. Passionate about leveraging AI for real-world applications, including cybersecurity, financial analytics, and automation. Seeking opportunities to apply my skills in AI/ML, software development, and research to create impactful solutions.	<b>Details</b> Cell: 923057010160 Email: wasamkhann@gmail.com Address: HOUSE #1, ASPHALT PLANT CO. Jhang road kausarabadfaisalabad. Faisalabad , Pakistan	<b>Professional Profile</b>  Enthusiastic <b>Computer Scientist</b> with a strong foundation in machine learning, game development, and software engineering. Passionate about leveraging AI and NLP to build innovative solutions. Seeking opportunities to apply my technical expertise, problem-solving skills, and research experience in a dynamic environment.
	<b>Education</b>  <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 3.15 <b>Matric / O levels</b> , (2019) <b>Intermediate / A levels</b> , (2021) <b>Matric</b> Abdullah Foundation High School , 1046 (2019) <b>FSc. Pre Engineering</b> Punjab college , 1072 (2021)		<b>Education</b>  <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 3.2 <b>Matric / O levels</b> , (2019) <b>Intermediate / A levels</b> , (2021) <b>BSCS</b> National University of Sciences and Technology , 3.20/4.0 (2025) <b>FSC Pre-Engineering</b> Punjab Group of Colleges , 1085/1100 (2021)
	<b>Technical Skills</b> <ul style="list-style-type: none"><li>• Web development frameworks</li><li>• React</li><li>• Front end web development</li><li>• Back-end developer</li><li>• C, c++, java and python</li></ul>		<b>Technical Skills</b> <ul style="list-style-type: none"><li>• Typescript</li><li>• Convolutional neural networks</li><li>• Recurrent neural networks</li><li>• Data handling</li><li>• Jquery, ajax, mysql</li><li>• Flask</li><li>• Mongodb (database)</li><li>• Express, nodejs</li></ul>
	<b>Soft Skills</b> <ul style="list-style-type: none"><li>• Analytical thinking</li><li>• Reasoning and resilience</li><li>• Software debugging</li><li>• Creativity</li><li>• Curiosity</li><li>• Strategic communications</li><li>• Teamwork &amp; collaboration</li></ul>		<b>Soft Skills</b> <ul style="list-style-type: none"><li>• Strategic communications</li><li>• Database design (sql,mongodb)</li><li>• Statistical data analysis</li><li>• Team workshop</li><li>• Networking</li><li>• Group work</li><li>• Python</li><li>• Communication skill</li></ul>
<b>Reference</b> To be furnished upon request.	<b>Internship Experience</b>  <b>Orbit Softech ( 09-Jun-2024 - 18-Jul-2024 )</b> <ul style="list-style-type: none"><li>- Worked with Large Language Models (LLMs) to automate data processing and analysis.</li><li>- Gained experience in backend development using FastAPI and PostgreSQL.</li><li>- Explored AI-driven automation techniques for improving workflow efficiency.</li><li>- Assisted in front-end development using React.js and Tailwind CSS.</li></ul> <b>NetSol ( 22-Jul-2024 - 23-Aug-2024 )</b> <ul style="list-style-type: none"><li>- Assisted in developing an AI-powered Excel manipulation system using Llama 3 for automated data transformations.</li><li>- Contributed to the implementation of AI-driven code generation for enhanced dataset analysis.</li><li>- Built foundational API endpoints in FastAPI and worked with PostgreSQL for structured data stor</li></ul>	<b>Reference</b> To be furnished upon request.	<b>Internship Experience</b>  <b>HPC Lab Seecs ( 20-Jun-2024 - 22-Aug-2024 )</b> <ul style="list-style-type: none"><li>• I contribute to advancing natural language processing capabilities and enhancing the performance and applications of LLMs.</li><li>• Fine-tuning of models and implemented RAG-based approach.</li></ul> <b>Connexus Technologies Lahore (Game Developer Intern) ( 01-Jun-2023 - 31-Aug-2023 )</b> <ul style="list-style-type: none"><li>• Utilized C-Sharp, Unity, and OOP techniques to create a compelling game experience.</li><li>• Collaborated with the team using Slack, Trello, and Clockify to coordinate tasks and manage version control effectively.</li></ul> <b>Connexus Technologies Lahore (Jr Game Developer) ( 01-Sep-2023 - 31-Dec-2023 )</b> <ul style="list-style-type: none"><li>• Utilized C-Sharp, Unity, and OOP techniques to create a compelling game experience.</li><li>• Collaborated with the team using Slack, Trello, and Clockify to coordinate tasks and manage version control effectively.</li></ul>
	<b>Projects</b>  <b>AI-Powered URL Classification System</b> Developed a dataset by parsing web content and used LLaMA 3.2 to generate category labels. Trained multiple models, achieving 87% accuracy with fine-tuned BERT, improving web filtering and cybersecurity applications.		

Projects

SEMANTIC-BASED IMAGES SEARCH ENGINE (Semester Project)

Developed a search engine of images by indexing data on Apache Solr. By using CLIP model of OpenAI, data stored in the high-dimensional vector space, which is retrieved from the flask backend server and displayed on the frontend, which is made in React

TRANSCRIPT PROCESSING THROUGH AGENTIC FRAMEWORK

A multi-agent system developed using LangGraph dynamically processes meeting transcripts to extract keywords, topics, and summaries. It generates a project roadmap detailing how the tech company can complete the project by dividing it into modules and assigning tasks to employees based on their experi

Upwork & Fiverr (Free Lancing)

• Successfully completed the project and integrated the desired feature into the completed projects and integrated the desired feature into the platform, enhancing its functionality and user experience. • Conducted thorough research and communicated closely with the client to understand their vision.

National Center of Artificial Intelligence (NCAI)

Active Member of Cabinet



Hunaina Ehsan

Details

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Email:

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Address: HOUSE NO 1554 STREET

18/1 BLOCK C NATIONAL

POLICEFOUNDATION O9

ISLAMABAD

Islamabad , Pakistan

Technical Skills

- Data engineering
- Operating systems
- Web scraping
- Convolutional neural networks
- Recurrent neural networks
- Computer vision
- Data handling
- Data handling and forecasting

Soft Skills

- Strong work ethics
- Reasoning and resilience
- Communication skills
- Self-management skills
- Teamwork, flexibility
- Microsoft word, excel, project
- Conflict management
- Group work

Reference

To be furnished upon request.

Professional Profile

I am a computer science student with a strong passion for data analysis, machine learning, deep learning, and AI. I enjoy solving complex problems and designing innovative solutions, particularly in algorithm development and integrating diverse data types. My goal is to contribute to meaningful projects that make a real-world impact and ensure recognition of the role of a data scientist as distinct from an engineer

Education

BS in Computer Science

School of Electrical Engineering and Computer Science , 3.05

Matric / O levels

, (2019)

Intermediate / A levels

, (2021)

Pre Engineering

Hunaina Ehsan , 1060 (2021)

Internship Experience

Projects

Software implementation of retrieval of energy through sunlight throughout the day

The product's purpose was to reflect the sunlight through a mirror at a fixed point over the day each year. Problem was mathematically modeled, and equations were drafted, and software was implemented in python.

Skin Cancer detection through Deep Learning Techniques

Nine kinds of skin cancer images were preprocessed, trained and finetuned over combined model of conv2d and resnet to obtain overall accuracy of 56% Further testing of models and evaluation is under consideration.

Alzheimer's diagnosis through cognitive scores

MMSE (Mini Mental State Exam), a standard for conducting cognitive assessments, was used to evaluate assessments. ADNI data is used for the module and there were around 11000 rows i.e., patient's data for 3 classes (Cognitively Normal, Mild Cognitive Impairment, Alzheimer's Disease). Data was preprocessed and

Alzheimer's diagnosis through blood biomarkers

Data extraction was done under domain knowledge from ADNI for around 468 patients. Data was preprocessed, trained on random forest, xgboost, svm, dense layers and finetuned. The best results obtained so far were with wide dense layers with up sampling using SMOTE and loss of L2 regularization with accuracy of



# Abdullah Riaz



# Muhammad Waleed

## Details

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## Technical Skills

- Mern stack
- Tableau(data visualization)
- Html, css, bootstrap, node.js
- Matlab
- Database (mysql)
- C++
- Python

## Soft Skills

- Communication skills
- Flexibility and adaptability
- Teamwork & collaboration

## Reference

To be furnished upon request.

## Professional Profile

I am a final-year Computer Science student with strong analytical skills and experience in programming and web development. Proficient in JavaScript, React, and backend technologies, I excel in problem-solving and team coordination. I aim in collaborating effectively on projects and delivering high-quality solutions. Passionate about leveraging my skills to drive technological innovation, I am eager to contribute to dynamic and challenging environments.

## Education

**BS in Computer Science**  
School of Electrical Engineering and Computer Science , 3.32  
**Matric / O levels**  
, (2019)  
**Intermediate / A levels**  
, (2021)

## Internship Experience

**MachVIS lab, SEECS ( 03-Jun-2024 - 15-May-2025 )**  
Final Year Project: Working on my final year project titled "Cultivating Profits" where I developed a farm management system to keep track of all expenses and sales of farm products throughout the year

**MachVIS lab, SEECS ( 01-Sep-2024 - 15-May-2025 )**  
Research Assistant: I'm currently researching the application of Reinforcement Learning in agriculture for my FYP, 'Cultivating Profits'. The aim is to offer users personalized recommendations that assist them in making decisions that maximize their profit.

**VersaCore ( 09-Sep-2024 - 30-Sep-2025 )**  
VP of Technology: Overseeing the development of web and mobile based applications

## Projects

**Image preprocessor & editor**  
Utilized OpenCV and Pillow for backend and StreamLit for frontend to create an image editor. User can upload image and apply the given editing operations. User can then export the image in the desired format. Friendly and intuitive user interface

**Text Encryption Protocol**  
Developed an encryption protocol in Python to convert plaintext into ciphertext and vice versa, utilizing the standards in information security.

**Clothing Store Website**  
Developed a fully functional clothing store website in MERN stack, with shopping cart, wish list, order placement and confirmation, and user register and login functionalities.

**Stack-Overflow Developer Insights**  
Utilized Python and pyspark to develop a personalized recommendation system and salary prediction model using the "Stack-Overflow Developer Survey Dataset". The user can get personalized recommendations for programming languages, databases, operating systems, etc. and the predicted salary based on the entered

## Details

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Islamabad , Pakistan

## Technical Skills

- Data engineering
- Python/java/c++/octave
- Ann
- Convolutional neural networks
- Recurrent neural networks
- Computer vision
- Specialization in python
- Cisco packet tracer

## Soft Skills

- Team workshop
- Analytical thinking
- Coding
- Strong work ethics
- Managing multiple priorities
- Psychological first aid
- Persuasion
- Reasoning and resilience

## Reference

To be furnished upon request.

## Professional Profile

An aspiring AI/ML researcher with a strong foundation in deep learning, NLP, and large language models, seeking opportunities to apply my technical skills and research experience to build impactful and intelligent systems. I am Passionate about developing human-centric AI applications, such as emotionally intelligent agents and explainable models, while continuously expanding my expertise through real-world challenges and innovation-driven environments.

## Education

**BS in Computer Science**  
School of Electrical Engineering and Computer Science , 3.81  
, (2019)  
, (2021)  
**Bachelor of Computer Science (BSCS)**  
National University of Sciences & Technology (NUST) , 3.81 (2025)

## Internship Experience

**Project Hamburg (AI Research And Development Internship) ( 15-May-2024 - 15-Nov-2024 )**  
During my AI Research and Development internship, I focused on creating agent-based frameworks to automate complex tasks using Large Language Models (LLMs). My primary role involved researching and developing systems that leverage LLMs to perform various real-world tasks autonomously within an agentic frame

## Projects

**Fake News Detection System - Integrating Deep Learning with FastText and Explainable AI (in progress)**  
The project enhances fake news detection using a hybrid deep learning approach that combines FastText embeddings with neural networks for improved accuracy. It also integrates explainable AI to ensure transparency and provide insights into the model's decisions.

**Mini Language Translator**  
Used a base transformer model which I made from scratch to convert Portugese to English. The input data was converted into Word Embeddings using Bert Encoder.

**X-Ray Classification**  
Used a Siamese Model consisting of MobileNetV2 and DenseNet169 to classify xrays as Pneumonia or Normal

**Weapon Detection**  
Made a weapon detection model using YOLOv5 and YOLOv7 which detected different types of weapons, made bounding boxes and then fed those detections to a classification to classify them into various classes of weapons.



# Aleena Ahmad



# Sohaib Ahsan

<b>Details</b> Cell: 03348813037 Email: aleenat31@gmail.com Address: 829 12 Lahore , Pakistan	<b>Professional Profile</b>  Please update objective section.
	<b>Education</b>  <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 3.72 , (2019) , (2021) <b>Exchange Program</b> University of Arkansas , 4.0 (2023)
	<b>Internship Experience</b>  <b>Code For Pakistan ( 01-Nov-2024 - 28-Feb-2025 )</b> Working to develop an ultra-low-cost Electronic Voting Machine (EVM) for local bar council and press club elections. • Developed the EVM’s secure encryption module capable of recording votes and encrypting them via the Paillier cryptosystem. • Implementing an online interface for voting demonstrations, us
	<b>Algomus Ltd. ( 12-Jan-2024 - 12-Feb-2024 )</b> Associate Software Engineer Acquired practical software engineering expertise and gained proficiency in backend development using Python FastAPI. Conducted web scraping and data extraction tasks with BeautifulSoup, enhancing automation and data handling capabilities. Learned industry standards by impleme
	<b>Projects</b>  <b>CoIBERT-Based User Profiles for Personalized Information Retrieval</b> Research project in collaboration with the University of Arkansas on personalization of search engines. Explored how creating user profiles using contextual word embeddings can improve relevancy of search results through personalization. Employed CoIBERT for user profile generation. Used AOL4PS dataset, whi

<b>Details</b> Cell: 923437720430 Email: sohaibahsan2233@gmail.com Address: Khana Dak  Islamabad , Pakistan	<b>Professional Profile</b>  Dedicated software engineer with a passion for developing robust and scalable solutions. Proficient in a variety of programming languages and frameworks, with a strong background in both front-end and backend development. Leveraging expertise in software development, effective communicator, strategic thinker and innovative problem-solving abilities to contribute to cutting-edge projects.
<b>Technical Skills</b> <ul style="list-style-type: none"><li>• Typescript</li><li>• Front end web development</li><li>• Docker</li><li>• Reactjs</li><li>• Html, css, javascript</li><li>• Mern development</li><li>• Mongodb, express, node.js</li><li>• C++,python, linux(basic)</li></ul>	<b>Education</b>  <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 2.66 <b>Matric / O levels</b> , (2019) <b>Intermediate / A levels</b> , (2021)
<b>Soft Skills</b> <ul style="list-style-type: none"><li>• Communication skills</li><li>• Team management skills</li><li>• Problem solving skills</li><li>• Quick learner</li><li>• Teamwork &amp; collaboration</li></ul>	<b>Internship Experience</b>  <b>GlobeWyze ( 03-Jun-2024 - 30-Aug-2024 )</b> During my internship, I developed and optimized RESTful APIs for GlobeJourney, integrating secure payments with Stripe, user authentication, and efficient data management using MongoDB and Express.js. I also designed and built a scalable UI for RevRecycle using React.js, Next.js, and Redux Toolkit, implementi
<b>Reference</b> To be furnished upon request.	<b>Projects</b>  <b>Factory Copilot</b> Factory Copilot is an AI-driven platform designed to enhance manual and semi-automated production lines by providing real-time monitoring, feedback, and insights. It features intuitive worker interfaces, supervisor dashboards, and AI-powered error detection, improving productivity, accuracy, and quality contr  <b>GlobeJourney</b> GlobeJourney is a comprehensive travel booking platform that allows users to explore, filter, and book tours effortlessly. With secure payments, detailed reviews, and user authentication, it delivers a seamless booking experience while offering real-time tour insights, ratings, and recommendations to enhance  <b>Rapidlook</b> Rapidlook is a lightweight and efficient search engine built to index and retrieve millions of JSON news articles using forward and inverted indexing. It leverages NLTK for text preprocessing, Flask APIs for search queries, and an intuitive React.js interface, delivering optimized and highly accurate search r



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Collaborated with cross-functional teams to design and develop full-stack web applications using Angular JS, Nest JS, and Tailwind CSS. Utilized MongoDB database, ensuring scalable data management for client projects. Conducted debugging to maintain high-quality deliverables and meet tight deadlines.

Use of whitebox learning algorithms like FGSM and PGD to generate adversarial images. Training of classifier on adversarial images to improve model robustness. Development of a user-friendly interface using Flask and Bootstrap to upload and generate adversarial images



# Ali Shahzad



# Sheeza Aslam

<b>Details</b> Cell: 923145478247 Email: alishahzad1903@gmail.com Address: HOUSE NO#1339 ST#7,BLOCK#C,SECTOR#4,AIRPORTHOUSING SOCIETY Rawalpindi , Pakistan		<b>Professional Profile</b>  Please update objective section.	
<b>Technical Skills</b>		<b>Education</b> <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 3.27 , (2019) , (2021)	
<b>Soft Skills</b>		<b>Internship Experience</b> <b>Saluq - Machine Learning Engineer ( 01-May-2024 - 30-Sep-2024 )</b> During my internship at Saluq, I developed a tool for the digitization of P&ID drawings, which automated the recognition and extraction of critical information from industrial diagrams. The tool utilized symbol recognition, OCR text recognition, and line detection to accurately process and digitize P&ID d <b>Rapidev- Machine Learning Engineer ( 01-Jun-2024 - 31-Jul-2024 )</b> At Rapidev, I worked on developing a suspect matching system using Whisper and Pyannote models. I implemented a comprehensive pipeline that included audio enhancement and music removal to improve accuracy in identifying and matching suspects through audio data. My role involved audio preprocessing, model	
<b>Reference</b> To be furnished upon request.		<b>Projects</b>	

<b>Details</b> Cell: 923061107486 Email: sheezaaslam00@gmail.com Address: HOUSE NO 530, STREET NO 12, SARFRAZ COLONY FAISALABAD. Faisalabad , Pakistan		<b>Professional Profile</b>  Please update objective section.	
<b>Technical Skills</b> <ul style="list-style-type: none"><li>• Big data analytics</li><li>• Software quality assurance</li><li>• Front end web development</li><li>• Research and technical writing</li><li>• Software testing</li><li>• Project planning</li><li>• Python</li></ul>		<b>Education</b> <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 2.54 <b>Matric / O levels</b> , (2018) <b>Intermediate / A levels</b> , (2021) <b>Computer Science</b> SEECS , (2025) <b>Pre-Engineering</b> Punjab College , 92% (2020) <b>Matriculation</b> Divisional Public School and College , 95.2% (2018)	
<b>Soft Skills</b> <ul style="list-style-type: none"><li>• Team workshop</li><li>• Fine art</li><li>• Strong work ethics</li><li>• Communication skills</li><li>• Self-management skills</li><li>• Communication and presentation</li><li>• Team management skills</li><li>• Exel</li></ul>		<b>Internship Experience</b> <b>Shaadiyana ( 30-Oct-2024 - 30-Dec-2024 )</b> <b>Ibn e Adam ( 08-Nov-2024 - 08-Feb-2025 )</b> <b>IT Department of Agriculture University Faisalabad ( 10-Aug-2023 - 10-Sep-2023 )</b> <b>APIMatic ( 21-Feb-2025 - 04-Mar-2025 )</b> <b>Freelancing ( 09-Jul-2024 - 04-Mar-2025 )</b>	
<b>Reference</b> To be furnished upon request.		<b>Projects</b> <b>Anti-Drug Awareness Poster Making Competition</b> I participated in the Anti-Drug Awareness Poster Making Competition, a key event organized by the NUST Character Building Society, and received an appreciation certificate for my contribution. <b>Mastering Confidence As a Woman</b> I attended in Mastering Confidence As a Woman , a key event organised by U.S. Mission Pakistan and NUST Lincoln Concerns, and received an appreciation certificate for my contribution. <b>Executive at TABA</b> The TABA Society, a social society of NUST, focuses on community service through donation drives, orphanage visits, and organizing impactful events both on and off campus. I am proud to have actively participated in these initiatives, contributing to their meaningful efforts.	



# Mohammad Mehran Zafar



# Mahad Mohtashim

<b>Details</b> Cell: 923115963211 Email: mehranzafar101@gmail.com Address: PO SAME, GULOZAI, DISTRICT PESHAWAR PAKISTAN  Islamabad , Pakistan	<b>Professional Profile</b>  Results-driven Computer Science student at NUST with a strong foundation in AI, machine learning, and full-stack development. Passionate about solving real-world problems through innovative technology, with experience in deep learning, cybersecurity, and blockchain. Seeking opportunities to apply my technical expertise and leadership skills in software development, AI research, or product innovation.
<b>Technical Skills</b>	<b>Education</b>  <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 3.79 <b>Matric / O levels</b> , (2019) <b>Intermediate / A levels</b> , (2021) <b>BS Computer Science</b> School of Electrical Engineering and Computer Sciences, NUST , 3.79 (2025)
<b>Soft Skills</b>	
<b>Reference</b> To be furnished upon request.	
	<b>Internship Experience</b>  <b>BuhTech ( 01-Jul-2024 - 30-Aug-2024 )</b> Software Developer Intern • Gained hands-on experience in software design, coding, testing, and deployment. • Actively participated in code reviews and created technical documentation. • Troubleshoot and resolved software issues, ensuring seamless project execution. • Demonstrated a strong commitment to l  <b>Shadiyana ( 18-Nov-2024 - 24-Nov-2024 )</b> Product Research Intern • Conducted in-depth research and analysis to support UI/UX design initiatives. • Collaborated with cross-functional teams to gather user insights and improve usability. • Developed user-centered design solutions to enhance overall user experience. • Applied critical thinking to s
	<b>Projects</b>

<b>Details</b> Cell: 923332196657 Email: mahadmohtashim2003@gmail.com Address: 214-B, BLOCK 2, PECHS  Karachi , Pakistan	<b>Professional Profile</b>  A motivated undergraduate computer science student with exceptional programming skills and a deep passion for physics. Skilled in advanced computing concepts, including data structures and artificial intelligence, with a strong desire to contribute to cutting-edge research at CERN. Dedicated to leveraging computational expertise to advance our understanding of the universe and push the boundaries of scientific discovery
<b>Technical Skills</b> <ul style="list-style-type: none"><li>• Flask</li><li>• Power bi</li><li>• Proficient in c &amp; c++</li><li>• Kali linux</li><li>• Tensorflow, scikit-learn</li><li>• Unity game development</li><li>• Mysql &amp; python programming lan</li></ul>	<b>Education</b>  <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 3.43  , (2019)  , (2021) <b>Bachelor of Science in Computer Science</b> SEECS, NUST Islamabad , (2025)
<b>Soft Skills</b> <ul style="list-style-type: none"><li>• Team workshop</li><li>• Logical and conceptual learner</li><li>• Communication skills</li><li>• Conflict management</li><li>• Attention to detail</li><li>• Time management</li></ul>	<b>Internship Experience</b>  <b>UNILEVER PAKISTAN ( 27-Jun-2024 - 28-Aug-2024 )</b> <b>CHKK ( 05-Dec-2024 - 25-Jan-2025 )</b> <b>QC (SEECS, NUST) ( 14-Nov-2023 - 22-Mar-2024 )</b> <b>ISSM.AI ( 15-Sep-2023 - 03-Nov-2023 )</b> <b>C SQUARE CONSULTING ( 18-Jul-2023 - 31-Aug-2023 )</b>
<b>Reference</b> To be furnished upon request.	<b>Projects</b>  <b>Criminal Sketch Generation, Final Year Thesis Project (Python, PyTorch, TensorFlow)</b> • Developing a sketch generation model using a custom Attribute2Sketch2Face pipeline. • Utilizing ResNet for labelling. Incorporating CVAE and, GANs and LDMs for the generation. • Training with CelebA dataset for annotation and CUFS dataset for the pipeline.  <b>Image Captioning (Python, TensorFlow)</b> Created an encoder-decoder architecture using GRUs and ResNet for feature extraction to generate captions of images. METEOR score = 0.42 (optimal), CIDEr score = 0.94/1. Dataset: COCO  <b>Planet Classification (Python, TensorFlow, OpenCV)</b> Trained MobileNetV2 to classify planets from images. Bounding boxes through OpenCV. Focused on hyperparameter optimization for scarce datasets. Dataset: Planets (self-generated)  <b>American Sign Language Detection (Python, scikit-learn)</b> Integrated webcam hand input to Random Forest model to return the meaning of the gesture. Calculated distances between landmarks to distinguish gestures.

<div><div></div><div>Varda Sarfraz Cheema</div></div>	
<div><div>Details</div><div>Cell: 923030636796</div><div>Email: v.s.cheema443@gmail.com</div><div>Address:</div><div>Islamabad , Pakistan</div></div>	<div><div>Professional Profile</div><div>Aspiring to become a highly skilled Data Analyst and Data Scientist, leveraging expertise in SQL, data visualization, and statistical analysis to extract actionable insights and solve complex problems. Passionate about advancing in analytics and machine learning to drive data-driven decision-making and contribute to impactful projects in a dynamic, growth-oriented environment.</div></div>
<div><div>Technical Skills</div><div><ul style="list-style-type: none"><li>• Big data analytics</li><li>• Data handling</li><li>• Data cleansing and analysis</li><li>• Tableau(data visualization)</li><li>• Mysql &amp; python programming lan</li></ul></div></div>	<div><div>Education</div><div><div><div>BS in Computer Science</div><div>School of Electrical Engineering and Computer Science , 3.5</div><div>, (2019)</div></div><div><div></div><div></div><div>, (2021)</div></div></div></div>
<div><div>Soft Skills</div><div><ul style="list-style-type: none"><li>• Analytical thinking</li><li>• Strong work ethics</li><li>• Organization</li><li>• Teamwork, flexibility</li><li>• Leadership and communication</li><li>• Problem solving skills</li><li>• Event organizing</li><li>• Project and team management</li></ul></div></div>	<div><div>Internship Experience</div><div><div><div>Jazz ( 11-Jul-2024 - 12-Sep-2025 )</div><div>Contributed to the development and optimization of the SIMOSA (JAZZ World) app, focusing on product enhancement and operational efficiency. Managed key project areas, including overall analysis and load optimization, ensuring smoother performance and an improved user experience.</div></div><div><div>Bytewise Limited ( 03-Jun-2024 - 20-Sep-2024 )</div><div>Executed data analytics tasks, including data cleaning, manipulation, and visualization, to uncover insights and prepare data for modeling. Developed and fine-tuned machine learning models for predictive analysis, applying regression and classification algorithms and evaluating model performance. Applied fe</div></div></div></div>
<div><div>Reference</div><div>To be furnished upon request.</div></div>	

<div>Projects</div>
<div><div>Exploratory Data Analysis Using Python</div><div>Conducted data cleaning and preprocessing, handling missing values and normalizing data for accurate analysis of population trends across regions and time. Performed in-depth exploratory analysis to identify population growth patterns, age distributions, and demographic insights at a regional and global leve</div></div>
<div><div>Analyzing Patterns to Predict Customer Churn</div><div>Developed use cases to analyze and predict customer churn, enhancing retention strategies through data-driven insights. Utilized the FP-Growth algorithm to identify customer subscription patterns for personalized internet service recommendations. Employed a Random Forest classifier to predict churn risk, op</div></div>
<div><div>Plant Disease Detection System</div><div>Led development of plant disease detection system integrating AI and advanced image processing techniques. Utilized AI algorithms (e.g., random forests, KNN) to analyze images and detect diseases in plants. Implemented image segmentation and morphological operators to identify diseased parts of plants accur</div></div>
<div><div>Exploratory Data Analysis on Employee Layoffs</div><div>Analyzed layoffs data in SQL to uncover trends, using aggregate functions to compute statistics like maximum, minimum, and total layoffs across companies and industries. Created a rolling sum of laid-off employees on a monthly basis, providing insights into trends over time and workforce reductions. Develop</div></div>



Wah cantt , Pakistan

- Python/java/c++/octave
- Python, keras
- Html, css, javascript
- Docker | kubernetes
- Machine learning

To be furnished upon request.

A highly motivated Computer Science student with a robust foundation in artificial intelligence, machine learning, and data-driven innovation. Experienced in designing and delivering end-to-end intelligent solutions, I specialize in developing scalable systems that merge cutting-edge technology with real-world applications. Adept at working collaboratively in multidisciplinary teams, I excel in translating complex challenges into impactful, efficient solutions. With a passion for emerging AI advancements and a forward-thinking mindset, I am eager to contribute to transformative projects that drive progress, solve critical challenges, and create meaningful societal impact.

**BS in Computer Science**  
School of Electrical Engineering and Computer Science , 3.2  
**Matric / O levels**  
, (2018)  
**Intermediate / A levels**  
, (2020)  
**BSCS (Bachelors in Computer Sciences)**  
Nust (National University of Sciences and Technology) , 3.24 (2025)  
**FSC Pre-Engg.**  
Base College of Science and Commerce , 82% (2020)  
**Matriculation**  
F.G Public High School No. 3 , 89% (2018)

**AIMX Consulting LLC, Digital Marketer ( 15-Jul-2022 - 17-Sep-2022 )**  
**Blue Bricks / Suno TV ( 02-Sep-2023 - 31-Oct-2023 )**  
**TUKUL R&D Center ( 28-Jan-2025 - 24-Jul-2024 )**  
**Vyro/Imagine AI ( 20-Jul-2024 - 29-Jan-2025 )**

A complete E-Commerce website with everything from admin dashboard, product pages, payment and delivery system, beautiful front-end, and optimised back-end, made with MERN.



Lahore , Pakistan

- Data handling
- Data science
- Machine learning

- Communication skills
- Self-management skills
- Group work
- Python
- English speaking and writing
- Punctual and responsible

Name: Dr. sohail iqbal  
Company: Nust  
Phone: 0518862180  
Email: sohail.iqbal@seecs.edu.pk

I am a passionate learner with an interest in Machine Learning and Deep Learning domain. I have expertise in Generative AI, GANs, Computer Vision, and Reinforcement Learning, with a strong focus on algorithmic efficiency over parameter scaling. My goal is to integrate Deep Learning with Quantum Computing for breakthroughs while improving existing algorithms to maximize efficiency and impact.

**BS in Computer Science**  
School of Electrical Engineering and Computer Science , 3.65  
**Matric / O levels**  
, (2019)  
**Intermediate / A levels**  
, (2021)  
**Intermediate**  
Forman Christian College , 98% (2021)  
**Bachelors in Computer Science**  
National University of Sciences and Technology , 3.65 (2025)

Freelancing in the Domain of Generative AI making projects for professional and private clients. Till now, I have successfully completed 21 orders and have 15 unique clients with an overall rating of 5/5 making a Level 2 rated seller on Fiverr testifying my skills in Deep Learning

An Austria based startup where I interned in the field of Deep Learning for 3 months in the summer focusing on the development of chatbots using LLMs and other language-based models to train a chatbot for the company's website and integrate it successfully. I also learned some frameworks for model deployment

- utilized the recent techniques leveraging the power of Kolmogorov Arnold Networks and Liquid Neural Networks to efficiently classify news articles as fake or real with 3% more accuracy than the State of the Art models in my final year project

| used the prowess of CycleGAN to convert CT Scans of various organs into their contrast counterparts for further analysis

I developed a robust VQA system using Transformer technology capable of analyzing visual context to generate answers to the given questions. Visual Question Answering (VQA) systems can be highly beneficial in many industries like the textile industry in automated customer support, quality control and defect d

A system capable of reducing noise and de-blurring the image to improve quality of the image for further analysis. The goal of such system was to develop a general approach for such images in any industry ensuring good quality.



# Shujaullah



# Syed Musa Ali Kazmi

<b>Details</b> Cell: 03095942096 Email: sjullah.bscs21seecs@seecs.edu.pk Address: MALIK MEDICAL STORE, MULTAN ROAD, LODHRAN  Lodhran , Pakistan		<b>Professional Profile</b>  Driven computer science student with a strong foundation in coding and a passion for innovation. Seeking opportunities to apply my skills in web development, AI and Blockchain to create impactful solutions in a dynamic environment.	
<b>Technical Skills</b> <ul style="list-style-type: none"><li>• Computer vision</li><li>• Vr</li><li>• Laravel</li><li>• Flutter</li><li>• Blockchain</li><li>• Mern development</li><li>• Information security (infosec)</li><li>• Databases</li></ul>		<b>Education</b> <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 3.04 <b>Matric / O levels</b> , (2019) <b>Intermediate / A levels</b> , (2021)	
<b>Soft Skills</b> <ul style="list-style-type: none"><li>• Analytical thinking</li><li>• Communication skills</li><li>• Problem solving skills</li><li>• Time management</li><li>• Creativity</li><li>• Leadership qualities</li></ul>		<b>Internship Experience</b> <b>Radwi ( 15-Jun-2023 - 15-Aug-2023 )</b> - Developed web applications (Dice Game, Simon Game, QR Code Generator) using the MERN stack - Worked on their website to improve efficiency	
<b>Reference</b> To be furnished upon request.		<b>Projects</b> <b>Cerberus: Blockchain-Based Accreditation and Degree Verification System</b> Developed a secure and efficient blockchain-based verification system to combat degree fraud. Built smart contracts using Ethereum, Solidity, and Hardhat, stored Merkle roots on-chain, and embedded verification data in QR codes. Created a Flutter app for real-time QR scanning and a React web app for QR code g  <b>Facial Expression Detection (Machine Learning):</b> Train ResNet50v2 model for real-time facial expression detection by accessing GPU on Google Colab. You can also input a video or photo.  <b>ProKisan (Web Engineering)</b> Responsive website connecting farmers directly to the market removing middlemen, developed using HTML, CSS, Bootstrap 5, Laravel, and MySQL  <b>C++ Linux Shell</b> Implemented 12 commands of Shells using C++ like ls, mkdir, cd, rmdir etc for OS project	
		<b>Details</b> Cell: 923321759639 Email: musaalikazmi@gmail.com Address: PHASE 2 HOUSE NO 376 GUJRANWALA CANTT  Gujranwala , Pakistan	
		<b>Technical Skills</b> <ul style="list-style-type: none"><li>• Game designing on unity</li><li>• Convolutional neural networks</li><li>• Recurrent neural networks</li><li>• Computer vision</li><li>• Data science</li><li>• Risk management</li><li>• Python, keras</li><li>• Docker</li></ul>	
		<b>Soft Skills</b> <ul style="list-style-type: none"><li>• Multi tasking</li><li>• Group work</li><li>• Communication oral/written</li><li>• Communication skill</li></ul>	
		<b>Reference</b> To be furnished upon request.	
		<b>Professional Profile</b>  Please update objective section.	
		<b>Education</b> <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 3.47 <b>Matric / O levels</b> , (2019) <b>Intermediate / A levels</b> , (2021) <b>BS CS</b> National University of Sciences and Technology , 3.47/4 (2025)	
		<b>Internship Experience</b> <b>Mindstorm Studios ( 01-Jun-2023 - 31-Aug-2023 )</b> Unity Developer  <b>EMRchains ( 15-Mar-2024 - 15-May-2024 )</b> Machine Learning Engineer	
		<b>Projects</b> <b>Semantic segmentation of Slums using Semi-Supervised learning</b>	

			
Muhammad Talal Faiz		Hassaan Tahir	
<b>Details</b> Cell: 923360048447 Email: m.talalfaiz@gmail.com Address: Plot no 230-231 Gulshan-E-Medina Jhang Road Bhakkar  Bhakkar , Pakistan	<b>Professional Profile</b>  Computer Science undergraduate at NUST specializing in Deep Learning, Computer Vision, and Reinforcement Learning. Passionate about visual and spatial intelligence, with hands-on experience in EEG-based image generation and RL-based robotic simulations	<b>Details</b> Cell: 923084190857 Email: hassaant58@gmail.com Address: 134-C EXTENSION DHA PHASE 8 EX PARK VIEW LAHORE  Lahore , Pakistan	<b>Professional Profile</b>  Please update objective section.
	<b>Education</b>  <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 3.23  , (2019)  , (2021) <b>A-Levels</b> Nada International School , 4 A* (2021) <b>BSc Computer Science</b> National University of Sciences & Technology , 3.23 (2025)		<b>Education</b>  <b>BS in Computer Science</b> School of Electrical Engineering and Computer Science , 2.89  , (2017) <b>Intermediate / A levels</b> , (2020) <b>BSCS</b> NUST , 2.89 (2025)
	<b>Technical Skills</b> <ul style="list-style-type: none"><li>• Bash scripting</li><li>• Computer vision</li><li>• Mern development</li><li>• C++, python, assembly</li><li>• Flask, flutter, uml</li><li>• Tensorflow, keras, pytorch</li><li>• Html, javascript, verilog, php</li><li>• C++,python, linux(basic)</li></ul>		<b>Technical Skills</b> <ul style="list-style-type: none"><li>• Android developer</li><li>• Web development</li></ul>
	<b>Soft Skills</b> <ul style="list-style-type: none"><li>• Teamwork, flexibility</li><li>• Leadership and communication</li><li>• Communication and presentation</li><li>• Attention to detail</li><li>• Intuitive problem solving</li><li>• Time management</li><li>• English speaking and writing</li><li>• Creativity</li></ul>		<b>Soft Skills</b> <ul style="list-style-type: none"><li>• Logical and conceptual learner</li><li>• Leadership and communication</li><li>• Quick learner</li><li>• Good listner</li></ul>
<b>Reference</b> To be furnished upon request.	<b>Projects</b>  <b>Edu-Aid: Assistive Learning for Dyslexia and ADHD</b> -- Developed a web app to aid children with dyslexia and ADHD using MERN stack. – Provided educational resources, structured learning paths, and cognitive training games. – Designed engaging activities like memory games and word scrambles to improve cognitive abilities.	<b>Reference</b> To be furnished upon request.	<b>Internship Experience</b>  <b>Dubizzle Labs ( 22-Jul-2024 - 23-Aug-2024 )</b> During my internship at Dubizzle Labs, I designed and developed a feature-rich movie app using Kotlin, applying MVVM architecture with Jetpack components (LiveData, ViewModel, Room) for efficient state management and data handling. I integrated APIs with Retrofit to enable real-time content updates, while u
	<b>Reinforcement Learning SAC for Hopper-v5</b> Implemented Soft Actor-Critic (SAC) with a human-inspired reward function for stability. Achieved a 115.9% performance boost in reward using Stable Baselines3 implementation. Preprocessed state observations, fine-tuned hyperparameters, and analyzed results via TensorBoard		<b>Blue Brackets Technologies ( 08-Jan-2024 - 15-Mar-2024 )</b> During my Android Development internship, I leveraged my proficiency in Java and acquired skills in Kotlin to contribute effectively to project development. I collaborated with the team to design and implement features, ensuring seamless user experiences across various devices. Through hands-on experience,
<b>News Forensics using Topical Modelling</b> – Processed 1.1M ABC News headlines with text normalization, tokenization, stopword removal, and lemmatization. – Applied LDA/LSA with K-Means and DBSCAN to uncover hidden topics and analyze news trends over two decades. – Utilized t-SNE, Word Clouds, and Heatmaps for dimensionality reduction and insightf		<b>Projects</b>  <b>DubizzleFlix - Movie Info App</b> Developed DubizzleFlix, an Android app during my internship at Dubizzle Labs that displayed movies from the TMDB API, featuring sections like "Most Popular" and "Trending", etc. Integrated RecyclerView for smooth and dynamic UI rendering, allowing users to view detailed movie information such as posters, ti	
		<b>EasyMap - Real Estate App</b> During my internship, I contributed to the development of EasyMaps, a flagship product of the company. It is a real estate Android app that utilized Google Maps API to display interactive maps with real-time geolocation, property markers, and custom overlays, providing detailed information on various proper	
		<b>E-Commerce App</b> Seamlessly integrated Java with Kotlin to deliver a dynamic and user-friendly e-commerce platform. Utilizing Firebase for database management, ensured efficient data storage and retrieval, enabling seamless transactions and personalized user experiences.	



# Muhammad Mubashir Zaman

Details

Cell: 923126995080  
Email: mubashirzaman508@gmail.com  
Address: HOUSE NO.281  
SATELLITE TOWN,BUREWALA  
Burewala , Pakistan

Technical Skills

- Web development frameworks
- Flask
- Front end web development
- Web design and developmnt
- Mern development
- Web development (responsive)
- Java, python, web, spark, mongodb
- Back-end developer

Soft Skills

- Database design (sql,mongodb)
- Cisco packet tracing, wireshar
- Arc gis desktop, erdas imagine
- Arcgis
- Microsoft word, excel, project
- Graphics designing
- Basics of adobe photoshop
- Python

Reference

To be furnished upon request.

Professional Profile

Want to be a Front-End Engineer leading to Full Stack Developer with a strong foundation in web technologies, UI/UX design, and backend development. Passionate about building seamless, user-centric applications using modern frameworks like MERN Stack, TypeScript and Next.js. Experienced in integrating machine learning and NLP solutions into web applications. Seeking to leverage my expertise in front-end development and full-stack engineering to contribute to innovative and dynamic projects

Education

**BS in Computer Science**  
School of Electrical Engineering and Computer Science , 2.69  
**Matric / O levels**  
, (2019)  
**Intermediate / A levels**  
, (2021)  
**BS Computer Science**  
School on Electrical Engineering and Computer Science (SEECS), NUST , 2.7 (2025)

Internship Experience

**High Performance Computing Lab, SEECS, NUST ( 01-Jul-2024 - 31-Aug-2024 )**  
Research And Development Intern • Focused on Large Language Models (LLMs) ,Contributing to advancing natural language processing (NLP) capabilities • Enhanced the performance and applications of LLMs and Gained experience in fine-tuning models • Implemented RAG-based (Retrieval-Augmented Generation)



**High Performance Computing Lab, SEECS, NUST ( 01-Jul-2023 - 31-Aug-2023 )**  
Research And Development Intern • Worked on Large Language Models (LLMs) to advance natural language processing capabilities • Gained experience in Frontend development, creating user-friendly interfaces using React • Balanced responsibilities across backend NLP tasks and frontend design to deliver ho

**RADWI, NSTP, NUST ( 15-Sep-2022 - 31-Oct-2022 )**  
UI/UX Designing Intern Designed intuitive and user-friendly interfaces using Figma for UI/UX project • Gained experience in video editing to enhance multimedia content Sep 2022– Nov 2022 • Collaborated with team members using version control systems such as Git to organize modifications and assign t

Projects

- Research Publication (Co-Author)**  
Enhancing Vehicle Routing with Time Windows: a Machine Learning-Driven Ant Colony Optimization Approach
- LanceAI**  
AI-Powered Freelancing Platform
- SlideGen**  
An Automated Slides Generator with Images
- NewsHUB**  
Based on MERN Stack, Developed application that fetch news with Images and Audio Description according to our desired topic, includes text to speech (ASR) too



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<div>Qudsia Tariq</div>		<div>Muhammad Azan Siddiq</div>	
<div><div>Details</div><div>Cell: 923115132007</div><div>Email: tariq.qudsia18@gmail.com</div><div>Address: G-106, STREET 32, OFFICERS COLONY, WAH CANTT.</div><div>Hasan abdal , Pakistan</div></div>	<div>Professional Profile</div> <div>A curious and ambitious student of Computer Science looking for opportunities to improve my skills in the field of technology, in particular cryptography and artificial intelligence. I enjoy facing new challenges which require putting my problem solving to test, and broadening my skillset from such challenges</div>	<div><div>Details</div><div>Cell: 923007678527</div><div>Email: azaanshafqat@gmail.com</div><div>Address: 65C-2 PUNJAB HOUSING SATYANA ROAD</div><div>Faisalabad , Pakistan</div></div>	<div>Professional Profile</div> <div>Result-driven Software Engineer with expertise in developing scalable systems and optimizing backend processes, combined with strong project management skills. Proven ability to deliver high-quality solutions while coordinating teams and ensuring timely project completion.</div>
	<div>Education</div> <div><div>BS in Computer Science</div><div>School of Electrical Engineering and Computer Science , 3.7</div><div>Matric / O levels</div><div>(2019)</div><div>Intermediate / A levels</div><div>(2021)</div><div>Bachelor of Computer Science</div><div>National University of Sciences and Technology , 3.7 (2025)</div><div>FSc. Pre-Engineering</div><div>Heavy Industries Taxila Education City , 94.82% (2021)</div></div>		<div>Education</div> <div><div>BS in Computer Science</div><div>School of Electrical Engineering and Computer Science , 2.77</div><div>Matric / O levels</div><div>(2018)</div><div>Intermediate / A levels</div><div>(2020)</div><div>FSC</div><div>Punjab College of Science , 1048/1100 (2021)</div></div>
	<div>Technical Skills</div> <div><ul style="list-style-type: none"><li>Mean development</li><li>Python socket programming</li><li>Python/java/c++/octave</li><li>Convolutional neural networks</li><li>Recurrent neural networks</li><li>Jquery, ajax, mysql</li><li>Cisco packet tracer</li><li>Nodejs</li></ul></div>		<div>Technical Skills</div> <div><ul style="list-style-type: none"><li>Javascript(es6)</li><li>Jira- project management</li><li>Mern and mean development</li><li>Python</li></ul></div>
	<div>Soft Skills</div> <div><ul style="list-style-type: none"><li>Web engineering (mean stack)</li><li>Database design (sql,mongodb)</li><li>Cisco packet tracing, wireshar</li><li>German language (a1 level)</li><li>Managing multiple priorities</li><li>Reasoning and resilience</li><li>Communication skills</li><li>Basics of adobe photoshop</li></ul></div>		<div>Soft Skills</div> <div><ul style="list-style-type: none"><li>Web engineering (mean stack)</li><li>Initiative and enterprise</li></ul></div>
<div><div>Reference</div><div>To be furnished upon request.</div></div>	<div>Internship Experience</div> <div><div>Code for Pakistan ( 01-Nov-2024 - 28-Feb-2025 )</div><div>Software Development Intern</div><div>ZATNav ( 15-Jun-2023 - 15-Aug-2023 )</div><div>Mobile App Development Intern</div></div>	<div><div>Reference</div><div>To be furnished upon request.</div></div>	<div>Internship Experience</div> <div>Ideois ( 27-May-2024 - 05-Sep-2025 )<div>Backend Engineer<ul style="list-style-type: none"><li>Developed and maintained server-side logic using Django, ensuring the robustness and scalability of backend systems.</li><li>Designed and implemented RESTful APIs to support front-end applications and third-party integrations.</li><li>Managed database models and migrations, optimizing data storage</li></ul></div></div>
	<div>Projects</div> <div><div>Low-Cost Verifiable Voting System with Homomorphic Addition</div><div>• Encryption of votes with Paillier Encryption • Scanning of ECDSA signed QR-code based ballots • Public Bulletin Board to audit and display Threshold-Decrypted Tally of Homomorphic Sum of Encrypted Votes</div><div>Network Intrusion Detection for SDN</div><div>• Identified various kinds of network attacks and anomalies to provide a means of mitigation with 98.6% accuracy • Used GANs and a feedforward neural network for data augmentation and data classification respectively</div><div>Custom-Made Feistel Cipher</div><div>• Inspired by AES and DES's Feistel Structure architecture • High levels of confusion and diffusion, exhibiting approximately 90.6% output variation when single bit altered in either plaintext or encryption key</div></div>		<div>Projects</div> <div><div>E-commerce Backend System</div><div>1. E-commerce Backend System Description: Created a scalable backend for an e-commerce platform with user authentication, product management, cart functionality, order processing, and payment integration. Project Management: Managed sprint planning, prioritized feature rollout, coordinated team roles, and i</div><div>Task &amp; Project Management Tool (Trello Clone)</div><div>Description: Created a Kanban-style task management tool with complex backend logic for multi-user boards, permissions, notifications, and real-time updates using WebSockets. Project Management: Led backlog grooming, conducted sprint planning, and tracked progress through agile boards and standups.</div><div>Facial Paralysis Detection Software (SnapseFaceAI)</div><div>Description: Developed AI-powered software to detect types of facial paralysis using ML/DL models and facial landmark mapping with OpenCV and Dlib. Project Management: Coordinated model training milestones, collaborated with designers on GUI, and led team sync-ups.</div><div>AI-Powered Resume Analyzer</div><div>Description: Built a backend system using NLP and transformer models to analyze resumes and match them with job descriptions. Project Management: Designed task flowcharts, assigned subtasks using Notion, and tracked iterations for model improvements.</div></div>



NUST School of Electrical Engineering  
and Computer Science (SEECs)

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