

Graduate Booklet

BESE

Bachelors of Engineering in
Software Engineering

CLASS OF 2 0 2 1

www.seecs.nust.edu.pk

Department of

Computing

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

In the name of Allah the Most Beneficent and the Most Merciful

Contents

01.

NUST SEECS

5

02.

Department of Computing (DoC).....

6

03.

Message from Head of the Department.....

6

•

Introduction to DoC.....

7

•

DoC Faculty.....

9

04.

Bachelor of Engineering in Software Engineering..

10

•

BESE Overview.....

10

•

BESE Course Outline

11

•

BESE Student Resume.....

13



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.

Department of Computing

Message from Senior Head

Prof. Dr Faisal Shafait



I am very pleased to see you achieving a momentous millstone of your life. At Department of Computing, we aim to produce graduates who not only have excellent professional and technical competence, but are also inculcated with the norms and etiquettes, which are essentially required to successfully excel in the professional career. Our responsibility is to well equip our students so that they contribute positively and resolve the issues in our society through their technical skills. We also polish the intellectual and entrepreneurial skills of our students and hence we believe that you will be able to make a difference in the market, as you embark upon the new journey.

You are the flag-bearers now and we are very confident that you have the right knowledge-base and technical skill set required to flourish in the computing industry. My advice would be to always welcome challenges in your professional life with dignity, honesty and never forget that there is no replacement for hard work. So step ahead and make your parents, teachers and your alma mater proud! Wish you all the best for your future endeavors.

Department of Computing

Department 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 Department 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 thing
- Cyber security & Computer Forensics
- Big Data
- Artificial Intelligence & Machine Learning
- Database Systems
- Computer Networking

- Semantic Web and \Knowledge Repetitions
- 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 scientist 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 Computing includes High Performance Computing (HPS) Lab, Knowledge-based Systems Labs (KBS), TUKL Lab, Centre for Research in Modeling Simulation and vision (CRIMSON) Lab, Center of excellence in Mobile Computing (CEME) Lab. Teaching Labs have also been established which play a vital role in training and development of students. These include computing Lab 1 (Shirazi Lab), Computing Lab 2 (Fabi Lab), Computing Lab 3 (Biruni Lab), Computing Lab 4 (Babbage Lab), Computing Lab 5 (Turing Lab) and IBM/CERN Lab.

Senior Head Dr. Faisal Shafait TU Kaiserslautern, Germany	
Computer Science	
Dr. Abdul Wahid (HoD) PhD - Kyungpook National University, Korea	Dr. Shams Ud Din Qazi PhD - University of Wollongong, Australia
Dr. Arsalan Ahmad PhD-Politecnico di Torino, Italy	Dr. Pakeeza Akram PhD-University of Delaware, USA
Dr. Muhammad Zeeshan PhD - NUST, Pakistan	Dr. Fahad Javed PhD- LUMS, Pakistan
Mr. Maajid Maqbool MBA - Windsor, Canada	Dr. Asad Waqar Malik PhD - EME NUST, Pakistan
Dr. Muhammad Khuram Shahzad PhD - Sungkyunkwan University, South Korea	Dr. Anis Ur Rahman PhD - Université Grenoble Alpes, France
Dr. Qaiser Riaz PhD - University of Bonn, Germany	Dr. Hasan Ali Khattak PhD - University of Paris France
Dr. Muhammad Moazzam Fraz (HoD IT) PhD - Kingston University of London, UK	Dr. Yasir Faheem PhD - University of Bari, Italy
Dr. Safdar Abbas Khan PhD - Université Paris Est, France	Dr. Rabia Irfan PhD - SEECs-NUST, Pakistan
Dr. M. Imran Malik PhD - TUKL, Germany	Engr. Dr. Rafia Mumtaz (HoD) PhD - University of Surrey, UK
Dr. Sohail Iqbal (HoD ITL) PhD - University of Paris, France	Dr. Tahira Anwar Lashari PhD - Universiti Tun Hussein Onn, Malaysia
Mr. Jaudat Mamoon MSc - Federal University of Technology, Lausanne, Switzerland	Dr. Arham Muslim PhD - RWTH Aachen University Germany
Engr. Dr. Omar Arif (HoD SE) PhD - Georgia Institute of Technology, USA	Engr. Muhammad Muneeb Ullah PhD - University of Rennes1, France
Dr. Azizur Rahim PhD - Dalian University of Technology, China	Dr. Hashir Moheed Kiani PhD - University of Manchester, UK
Dr. Adnan Rashid PhD - National University of Sciences and Technology, Pakistan	Engr. Muhammad Ali Tahir PhD - RWTH Aachen University, Germany
Dr. Muhammad Shahzad PhD - Technical University of Munich, Germany	Dr. Sidra Sultana PhD - Military College of Signals, NUST, Pakistan
Dr. Seema Jehan PhD - TU Graz, Austria	Dr. Seemab Latif PhD - University of Manchester, UK
Engr. Taufiq-Ur-Rehman MSc - MCS - NUST, Pakistan	Ms. Hania Aslam MSc - SEECs, NUST, Pakistan
Ms. Zunera Zahid MSc - RCMS, NUST, Pakistan	Ms. Ayesha Kanwal MS- SEECs, NUST, Pakistan
Dr. Hasan Tahir (HoD IS) PhD - University of Essex, UK	Dr. Mehdi Hussain PhD - University of Malaya, Malaysia
Dr. Sana Qadir PhD - International Islamic University, Malaysia	Dr. Yousra Javed PhD - University of North Carolina at Charlotte, USA
Mr. Mujtaba Haider PhD - National University of Sciences and Technology, Pakistan	Dr. Zuhair Zafar PhD- University of Kaiserslautern Germany
Dr. Farzana Jabeen PhD - Tsinghua University China	Dr. Mehvish Rashid PhD- DCU University Ireland
Dr. Zuhair Zafar PhD - University of Kaiserslautern Germany	Mr. Shah Khalid MS - University of Peshawar Pakistan

Bachelors of Engineering in Software Engineering (BE SE)

Program Description

Software engineering is the practice of designing and implementing large, reliable, efficient and economical software by applying the principles and practices of engineering. The aim of the Bachelors in software engineering degree is to produce well, rounded, software engineers who can fulfill the demand for software researchers, academic and developers in Pakistan. While the study of software engineering has a lot in common with computer science, software engineers learn much more about creating high-quality software in a systematic, controlled, and efficient manner. Software engineers are trained in all aspects of software life cycle, from specific through analysis and design to testing maintenance and evaluation of the product. Software engineers are concerned with safety and reliability of the product as well as cost and schedule of the development process.

Unique Features

The software engineering program teaches students the application of engineering concepts, techniques, and methods for the design, development, deployment and maintenance of software systems. Our graduates are qualified professionals involved in the technical work of designing, documenting, coding and testing large software products. They are also responsible for tasks such as directing projects, managing teams, and estimating cost resources, assessing business plans, reviewing proposals and suggesting innovations. The program focuses on imparting the knowledge and training, which enables students to harmonize theory with practice, concept with application and problem with solution. It prepares them to apply ably engineering principles, practices and processes to design, develop, deploy and maintain software systems. The program leads to development of students' professional and interpersonal skills.

Important Courses

With software permitting virtually all aspects of our work in our society, a Software Engineering graduate has the option to work in many different sectors such as software industry, telecommunications, finance, healthcare, manufacturing, retailing, security, transport etc. other engineering areas like aeronautical and automotives, building, electrical, etc. also have increasing needs for software engineering. The entertainment industry with video games and movie animation too has a large demand for Software Engineering. In addition, the SE program develops a strong background for pursuing higher education and research. Graduate from our programs are studying and doing research at some of the best universities and institutes around the world including Stanford University (USA), California Institute of Technology (CALTECH-USA), CERN (Geneva), University of North Carolina (UNC-Charlotte-USA), University of Reading (UK), Kyung-Hee University (South Korea), University of South Brittany, (France) and University of West England (UK).

Career Outcomes

Software Engineering, Object Oriented Programming, Data Structures, Digital Logic Design, Data Base Systems, Operating Systems Concepts and Design, Computer Networks, Computer Organization and Assembly Language, Software Construction, Software Design and Architecture, Software Quality Engineering, Software Project Management

BSCS-Curriculum

S. No.	Course Code	Subjects	CHs		Semester
1	CS100	Fundamentals of ICT	2	1	1st
2	CS110	Fundamentals of Computer Programming	3	1	
3	HU101	Islamic Studies	2	0	
4	HU108	Communication and Interpersonal Skills	3	0	
5	MATH111	Calculus-I	3	0	
6	MATH161	Discrete Mathemetics	3	0	
Total CHs			16	2	18
1.	CS212	Object Oriented Programming	3	1	2nd
2.	EE221	Digital Logic Design	3	1	
3.	HU107	Pakistan Studies	2	0	
4.	EE212	Basic Electronic	2	1	
5.		Supporting Science Elective-1	3	0	
6.		General Education Electives-I	3	0	
Total CHs			16	3	19
1	CS220	Data Base Systems	3	1	3rd
2	SE200	Software Engineering	3	0	
3	CS250	Data Sturcture and Algorithms	3	1	
4	MATH361	Probability and Statistics	3	0	
5	MATH222	Linear Algebra	3	0	
Total CHs			15	2	17
1.	EE321	Computer Architecture and Organisa- tion	3	1	4th
2.	SE311	Software Requirements Engineering	3	0	
3.	EE353	Computer Networks	3	1	
4.		SE-Elective-I	3	0	
5.		Supporting Science Elective-II	3	X	
6.		General Education Elective - I	3	0	
Total CHs			15	2+X	17+X
1	CS330	Operating Sytems	3	1	5th
2	SE210	Software Design and Architecture	3	1	
3		General Education Elective - II	3	0	
4	HU210	Technical Writing	3	0	
5		SE Elective-II	3	1	
Total CHs			15	3	18

1.	SE312	Software Construction	3	1	6th
2.	SE320	Formal Methods	3	0	
3.	SE321	Software Quality Engineering	3	0	
4.	MGT271	Entrepreneureship	2	0	
5.		SE Elective-III	3	1	
6.		Supporting Science Elective-III	3	0	
Total CHs			17	2	19

1.	SE430	Software Project Management	3	0	7th
2.	SE499	Senior Project	0	3	
3.		SE Elective V	3	1	
4.		SE Elective IV	3	X	
5.		General Education Elective-III	3	0	
		Supporting Science Elective-III	3	0	
Total CHs			12	4+X	16X

1.	SE499	Senior Project	0	3	8th
2.		SE Elective -VI	2+X	1	
3.		General Education Elective-IV	3	0	
4.	CSL401	Community Service Learning	0	2	
Total CHs			5+X	4	9+X

Overall CHs			112+X	22+X	133+X
Grand Total (Credit Hours)			133+X1		

BESE Student Resumes

	Student Name	Page no.
1	Abdul Hafeez Sajid	14
2	Abdul Rehman	15
3	Afaq Ahmed	16
4	Ahmad Ali Khan	17
5	Armeen Khan	18
6	Daniyal Ahmed Khan	19
7	Maooz Bin Zahid	20
8	Abdullah Nasir	21
9	Anas Imran Tasadduq	22
10	Ghazi Fateh Khan Tiwana	23
11	Hafsa Zubair	24
12	Hasnat Ahmed Khan Niazi	25
13	Hassan Kumail Ali	26
14	Syed Ismail Shah	27
15	Aamir Farooq Khan	28
16	Laiba Noor Malik	29
17	Muhammad Shahryar	30
18	Mahnoor Faisal	31
19	Mahnoor Iqbal	32
20	Muhammad Azamm Noor	33
21	Muhammad Saad Hussaini	34
22	Muhammad Usama	35
23	Owais Rehman	36
24	Eisha Moin	37
25	Saad Akram	38
26	Saifullah	39
27	Saira Fatima	40
28	Sarwan Ahmed	41
29	Taimoor Khan Mahsud	42
30	Zain Khalid	43
31	Abdul Hadi	44
32	Abdullah Saeed	45
33	Syed Jawad Bukhari	46
34	Ammara Ghalib	47
35	Fatima Arshad	48

	Student Name	Page no.
36	Hamnah Khalid	49
37	Noor Ul Ayn	50
38	Syeda Shifa Binte Shariq	51
39	Syeda Fizzah Hashmi	52
40	Muhammad Zaryab Akram	53
41	Mariam Nasim	54
42	Sana Jamil	55
43	Takreem Masood	56
44	Umer Abdul Khaliq	57
45	Muhammad Usman Khawar	58
46	Fatima Binte Hyder	59
47	Iqra Shahid	60
48	Kashif Khan	61
49	M Hamza Zahid	62
50	Muhammad Ahmad Naeem	63
51	Muneeb Aijaz	64
52	Rabeya Noor	65
53	Radia Zubair	66
54	Muhammad Saad Raza	67
55	Sami Mansoor Alavi	68
56	Noor Naqvi	69
57	Shaheryar Ehsan I Haque	70
58	Taha Abdullah	71
59	Talha Ikram	72
60	Tehreem Farooqi	73

Abdul Hafeez Sajid

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Career Objectives

Machine Learning and Data Science enthusiast with a craze in Mobile and Web Development. Looking forward to the opportunities in Machine Learning and Data Science field to embrace new challenges and expand my skillset.

→ EDUCATION

2021 Bachelor in : National University of Sciences and Technology, Islamabad

2015 FSc Punjab Group of Colleges Lahore

2013 Matric Government High School Usman Wala, Kasur

→ WORK EXPERIENCE

2020 Present Erays Technologies, NIC Islamabad

Main responsibilities include developing Android Application for Foot Ulcer detection and build the cloud infrastructure for the said application.

2019 2020 RapiDev NSTP, NUST Islamabad

• Developed RAPICS Mobile Application, a SIP based push-to-talk VOIP app that serves as a radio for an organization.

→ PROFESSIONAL & TECHNICAL SKILLS

App Development Android Development

R & D Data Science and Machine Learning

Web Development MERN Stack

Version Control Git and Github

→ ACADEMIC PROJECTS

ACUTE
Artificially Intelligence based Covid-19 simulation framework.

Achievements

MOS Certificate by Microsoft
Data Science Course Certificate by Coursera
Machine Learning Certificate by Coursera
Android Developer Certificate by Udacity

Community Involvement

Extra Curricular Activities

Gaming, Book Reading

Abdul Rehman

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LinkedIn profile <https://www.linkedin.com/in/zdsalpha/>

Career Objectives

I want to secure a challenging position in reputable organization to expand my learning, knowledge and skills, especially in field of Machine Learning.

→ EDUCATION

2021 SE National University of Science and Technology

2017 CS GOVT. COLLEGE TAUNSA SHARIF

2015 CS GOVT. HIGH SCHOOL TAUNSA SHARIF

→ WORK EXPERIENCE

2020 2021 National Center of Artificial Intelligence, Islamabad

Developed software for News Ticker detection and recognition in video live streams using Deep Learning.

6/2019 8/2019 German Research Center for Artificial Intelligence, Kaiser

Worked on DNA classification and Laminar Flow Approximation using Deep Convolutional Neural Networks.

→ PROFESSIONAL & TECHNICAL SKILLS

Machine Learning Computer Vision, OCR, NLP, Transformers

Frameworks Pytorch, Keras, Tensorflow

Languages Python, Javascript, Java, C#, VB.Net

Others Cloud Computing, Docker, Linux,

→ ACADEMIC PROJECTS

Large Scale Search Engine: Large scale search engine for Wikipedia (64 GB) written in C#. Providing real-time indexing and search results.
Urdu Lens: An android app for detecting and recognizing Urdu Handwritten text to digitalize Urdu documents.

Achievements

- Published "DeepCFD: Efficient Steady-State Laminar Flow Approximation with Deep Convolutional Neural Networks"
- Microsoft Office Specialist (MOS)
- CGPA: 3.54

Community Involvement

- Senior intern at TUKL lab, NUST. Mentored a student over course of internship.
- Akuwat Project

Extra Curricular Activities

Gaming
Badminton



Afaq Ahmed

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LinkedIn profile www.linkedin.com/in/afaq-ahmed-5799a9128

Career Objectives

A curious learner, brilliant problem-solver and creative team player, interested in the job role of Software Developer, where I can utilize my understanding of coding and software development to efficiently fulfil the requirements of clients and customers.

→ EDUCATION

2014 Matric IMCB F-8/4
2016 Intermediate IMCB F-8/4
2021 Soft. Eng. NUST,H12,Islamabad.

→ WORK EXPERIENCE

Nov-2020 Present Thinksoft
Working as a software developer, key objectives are to build web applications, participation in organization activities, interaction with clients and resolving their issues and collaboration with colleagues.
Feb-2020 Oct-2020 Rapidev Games
Worked as Full Stack Web Developer and Team Lead. Key objectives were to build web applications for clients, managing a good team, client satisfaction and agile development.

→ PROFESSIONAL & TECHNICAL SKILLS

App Development MERN stack,AWS,GIT,GraphQL API,Gatsby.js,React Native
Deep Learning Neural Networks
Programming Language Python, C++, Java, C, Javascript
Soft Skills Quick Learner, Team Player, Hardworker

→ ACADEMIC PROJECTS

Pickuply: Web application that connects people with local workers.
Proverb master: Python desktop game to master the proverbs.
RunBlind: 2D running game in Java.
Rixin: Social media web application.
COVID-spread-prediction: Using deep neural networks and COVID data.

Achievements

- Udemy Certifications
- Microsoft office specialist
- 2 Full time jobs with amazing projects for foreign clients

Community Involvement

- Community service for three months with Akhuwat.
- NIMUN-19 web team member
- Graphic designer at IET NUST.

Extra Curricular Activities

- Exercise
- Cricket
- Snooker
- Exploring Advancements in Technology
- Reading Books
- Netflix.



FULL NAME AHMAD ALI KHAN

Email Address Akhan.bese17seecs@seecs.edu.pk
LinkedIn profile <https://www.linkedin.com/in/ahmadjanaan/>

Career Objectives

A highly motivated software engineer seeking a position in a well-reputed company, where I can use my skills and knowledge to learn new technologies and grow as a software developer.

→ EDUCATION

2017-2021 Software Engineering NUST
2014-2016 Intermediate PakTurk Intl.
2012-2014 Matriculation PakTurk Intl.

→ WORK EXPERIENCE

13 May, 2020 – 30 June, 2020 AppForNexus Private Limited
Developed a web-scraping API using Javascript
June 2018 – January 2020 AppForNexus Private Limited
Content Writing for Kid's Encyclopedia

→ PROFESSIONAL & TECHNICAL SKILLS

Python 5/5
Machine Learning 4/5
Javascript / JQuery 4/5
Data Mining 3.5/5

→ ACADEMIC PROJECTS

COVID-19 Spread Prediction in Pakistan
HTML Code Extractor Chrome Extension
KLiK Engine – C++ powered File Search Engine
Subtitles Downloader – Python-based downloader

Extra-curricular Activities

MOS Certification
E-sports



Armeen Khan

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Career Objectives

A multi-tasking software-engineering graduate from NUST interested in mobile application development and front-end designing looking for opportunities to put my creative skills to the best use and be productive for the company.

→ EDUCATION

2021	BESE	National University of Sciences & Technology (NUST)
2017	Fsc.	O.P.F Girls College, Isb.
2015	Matric	O.P.F Girls College, Isb.

→ WORK EXPERIENCE

2018	2019	NUST-SEECS Student Government Association (SGA)
I was the marketing manager for the SEECS student body for the tenure 2018-2019 where I came up with different marketing strategies for various events such as SEECS Orientation 2018, Taakra 2018, Sports Gala 2018 etc.		
2020	Present	Wonderful Engineering
I am working as a content writer with expertise in SEO and affiliate marketing for one of Pakistan's top engineering blogs.		

→ PROFESSIONAL & TECHNICAL SKILLS

Digital Marketing	SEO, Affiliate Marketing, Social Media Marketing
Mobile App Dev	Flutter, user-interface
Data Mining	Data visualization techniques
Version control	Git & Github

→ ACADEMIC PROJECTS

audittree - a smart inventory management application on Android using machine learning
BESEArcade - a gaming website implemented using Javascript and PHP
COVID-19 spread prediction using data visualization techniques
Daily Diet & Health Planner implemented in Python

Achievements

Microsoft Office Specialist Certification
Google Digital Marketing Certification

Community Involvement

Project Insaniyat 2017

Extra Curricular Activities

SEECS Orientation 2018
HONET ICT Conference 2018
SEECS Dramafest
SEECS Sports Gala
Nust International Model United Nations (NIMUN)
NUST Olympiad
SEECS Taakra
Executive Technical Team, ACM
NUST



Daniyal Ahmed Khan

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LinkedIn profile [LinkedIn ID](#)

Career Objectives

A Software Engineering student from NUST. Excel at learning and problem solving in a team dynamic on course projects. Seeking an job where I can apply my technical skills, eagerness to learn, and passion for Software development as a fullstack developer

→ EDUCATION

2021	BESE	National University of Science and Technology (NUST)
2017	A levels	English Language School
2015	O levels	Islamia English School

→ WORK EXPERIENCE

Dec 2020	Present	Hayan Systems
I was hired as a Fullstack developer where I am using react for front-end and django for back-end. Mostly working on existing product which need imoevement according to customers demand.		

→ PROFESSIONAL & TECHNICAL SKILLS

Android and IOS	React Navive and Flutter
Front-end for Web	React js
Back-end	Node js and Django
ML	Tensorflow

→ ACADEMIC PROJECTS

An app with the help of speech recognition to assist partially deaf children to be able to learn to speak without the help of a therapist.

Achievements

Microsoft Certification
Course in Android, Flutter, Node js

Community Involvement

Project Insaniyat 2017

Extra Curricular Activities

Seecs football and volleyball tournament

Maooz Bin Zahid

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Career Objectives

Sky's the limit



EDUCATION

2015	Matric	Rise & Shine Public School, Wah Cantt
2017	Intermediate	F.G Degree College for Men, Wah Cantt
2021	BESE	SEECS, NUST



WORK EXPERIENCE

Sep, 2020 Jan, 2021 Hayan Systems

I worked as Application Developer Intern. Developed several apps using React, React Native and Django.

2013 present Fiverr

Started as a hobby back in 2013, I've risen to the level 2 status on Fiverr, a freelancing website with clients from all over the world



PROFESSIONAL & TECHNICAL SKILLS

React	React Native
Django	Android Development (Java and Kotlin)
Flutter	Python
Blogging and SEO	Video and Audio Editing



ACADEMIC PROJECTS

Basic Search Engine
Car Reservation System
My Wardrobe - an e-commerce website
Telephone Call Surveillance in Urdu Language
Android Application for CS Unplugged

Achievements

- Current CGPA of 3.84
- Self-taught mobile and web developer
- Owner of an affiliate marketing blog
- Level 2 seller at Fiverr
- Over 550 satisfied clients from all over the world

Community Involvement

- Project Insaniyat'17
- Organizer for a Transport System that takes 150+ students from Wah Cantt to Nust and back

Extra Curricular Activities

- Media Executive, SGA
- Member OC, MOS Certifications, NUST
- Member OC SEECS Convocation '19



AbdullahNasir

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Career Objectives

I'm a Final Year Software Engineering student from NUST who is eager to learn and improve. I have experience in javascript, Bootstrap, HTML, CSS, React Native and Machine Learning. I work hard and am currently looking to gain experience and broaden my horizons.



EDUCATION

2017	BESE	National University of Sciences & Technology (NUST)
2015	HSSC	F.G Sir Syed College
2013	SSC	Army Public School & College Ordnance Road



WORK EXPERIENCE

9/2020 Current SEECS IoT Lab NUST

Cleaning and Preprocessing of satellite data with the goal of extracting water quality parameters that could be used for analysis and machine learning.



PROFESSIONAL & TECHNICAL SKILLS

Android	React Native, JavaScript
Data Science	Python (Scikit-learn, NumPy, Pandas)
Web Development	HTML 5, CSS, Bootstrap, PHP
Software	C++, Python



ACADEMIC PROJECTS

- Time Series Analysis and Prediction of Water Quality Through Remote Sensing, GIS, and IoT (FYP)
- Prediction of Covid 19 Cases (ML)
- Restaurant Search App (React Native)
- SwiftShip (web platform using HTML, CSS, JavaScript and PHP)

Achievements

CGPA of 3.68
Microsoft Office Specialist Certification

Community Involvement

None

Extra Curricular Activities

Technical Team ACM NUST
Gaming

Anas Imran Tasadduq

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Career Objectives

To obtain a challenging and rewarding position in software engineering that would enable me to positively utilize my knowledge and skills gained during my undergraduate studies in this area as well as my life skills. Presently looking for a full-time position in software engineering in a dynamic working environment in areas related to machine learning, artificial intelligence, mobile application development, web development, and smart technologies

→ EDUCATION

2021	BE(SE)	National University of Sciences and Technology, Islamabad
2017	A Levels	Pakistan International School, Jeddah, Saudi Arabia
2015	O Levels	Pakistan International School, Jeddah, Saudi Arabia

→ WORK EXPERIENCE

June 19 Aug 19 Hazen.ai, Makkah, Saudi Arabia

Machine Learning Intern
Developed GUI tool for annotating regions on an image for use in Computer Vision. Used Python and PyQt for development.

June 19 Aug 19 Umm Al-Qura University, Makkah, Saudi Arabia

Web Development Intern
• Developed a web application for hosting code snippets
• Used PHP, Laravel, Vue.js and MySQL technologies

→ PROFESSIONAL & TECHNICAL SKILLS

Machine Learning	Python, NumPy, Pandas, Keras, PyTorch, fastai, Tensorflow
Languages	Python, Java, C++, C#, PHP, JavaScript, Dart, SQL, Swift, Scala
Mobile Dev	Android Studio, AdMob, Firebase, Flutter, Xcode
Web Development	MERN, Vue, Laravel, MySQL, HTML, CSS, JS, Bootstrap

→ ACADEMIC PROJECTS

GitKlik: Web app with user authentication, dynamic frontend, and Git integration for online hosting of Git repositories | Event Management: Web app with user-authentication, dynamic front-end, and management of users, events, and invoices | Social Media Website: website with user authentication, forums, blogs, events, polls, messaging, and voting system

Achievements

- Outstanding SAT-I Score: Scored 1470/1600 in the main test and 16/24 in the essay
- Outstanding SAT-II Score: Scored 2390/2400 in three subjects:
 - o Math Level-II: 800/800
 - o Physics: 800/800
 - o Chemistry: 790/800

Community Involvement

Earned first position for developing a table-top touchscreen in a school competition in Grade 11

Extra Curricular Activities

- Sports: Table Tennis, Football, Cricket
- Reading English Novels (Classics, Thrillers, Sci-Fi, Fantasy, etc.)
- Surfing the net for news on smart devices, electric cars, and emerging technologies such as autonomous driving and AI



Ghazi Fateh Khan Tiwana

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LinkedIn profile <https://www.linkedin.com/in/ghazi-tiwana-455385169/>

Career Objectives

I am a software engineering student with various passions and fervor for writing. Currently focused on exploring my creative side and using it to hone my skills as a content and software developer.

→ EDUCATION

2021	BESE	SEECs, NUST
2017	F.Sc	APSACS, Ordnance Road, Rawalpindi
2015	Matric	APSACS, Ordnance Road, Rawalpindi

→ WORK EXPERIENCE

2018 Current wonderfulengineering.com

Author - I have been working as a content writer for one of the top engineering websites based in Pakistan with a focus on SEO and affiliate marketing

2021 Current wonderfulengineering.com

Content Manager - I am currently managing the website where I research, edit and publish articles along with the Facebook page which has an audience of over 4 million people

→ PROFESSIONAL & TECHNICAL SKILLS

Digital Marketing	Search Engine Optimization
Content Writing	Affiliate Marketing
Web Development	Machine Learning
MobileDevelopment	Photoshop Expertise

→ ACADEMIC PROJECTS

auditree - an ML-powered inventory management system on mobile
SketchScript - a photo editing and sketching utility
Hospital Management System - a hospital database management system
Redemption - a web-based game with a dedicated website

Achievements

Microsoft Office Specialist Certification

Community Involvement

Project Insaniyat 2017

Extra Curricular Activities

Sports Gala
SEECs DramaFest
NUST Olympiad
SEECs Futsal League



Hafsa Zubair

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LinkedIn profile https://www.linkedin.com/in/hafsa-zubair-18627615b/

Career Objectives
I am a young enterprising individual exploring myself in computer science and data science, looking for good learning opportunities.

→ EDUCATION

2021 BESE National University of Science and Technology, Islamabad
2017 FSc. Superior College, Toba Tek Singh
2015 Matric Divisional Public School, Toba Tek Singh

→ WORK EXPERIENCE

20/02/21 Ongoing SEECS, NUST
Working as teaching assistant for an assistant professor Dr. Seema Jehan at SEECS, NUST. Responsible for making course material on Javascript, Node.js and Express.js, and marking quizzes, assignments, OHTs and ESE.
1/09/2020 Ongoing IoT Lab, SEECS
Responsible for research work regarding water quality analysis. Working on a project involving machine learning techniques for time series analysis and prediction of water quality.

→ PROFESSIONAL & TECHNICAL SKILLS

Data Science Visualization and Analysis on Data
Web Development HTML, CSS, Bootstrap, Javascript, Node, PHP
App Development Flutter
Database MySQL, PostgreSQL, MongoDB

→ ACADEMIC PROJECTS

Time Series Analysis and Prediction of Water Quality through Remote Sensing, Geoinformation System and Internet of Things.
Time Series Analysis of Spread of COVID'19 in Pakistan.
SwiftShip-A web application for transportation of goods from one place to another through hiring drivers through bidding.

Achievements

Microsoft Office Specialist
Google Cloud Platform
Fundamentals- Coursera
WordPress-Digiskills.pk
Big Data Management- Coursera
Level 1 French Language Course
Level 1 German Language Course
SEO-Digiskill

Community Involvement

Project Insaaniyat-2017
Project Al Qalam-2019
Blood Donation Drive-2017

Extra Curricular Activities

Member of Team Finance-NCSC
Director Finance-NUST Orientation
Assistant Director Marketing-NDS
Team Finance-NUST Olympiad'19
SEECS Open House 2018
Team Tech-ACM, SEECS
SEECS Open House 2019



Hasnat Ahmed Khan Niazi

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Career Objectives
I am a Software Engineering Student with passion for Development and Learning. Currently working on Personal Projects to polish and utilize my skills as a Machine Learning Engineer and Software Developer.

→ EDUCATION

2021 BESE SEECS, NUST
2017 F. Sc Punjab College for Boys,Multan
2015 Matric Noukhez Public School, Multan

→ WORK EXPERIENCE

2020 2020 Afiniti
Software Quality Analyst - Worked on an ongoing Project and Performed Black Box Testing to verify the issues over the network

→ PROFESSIONAL & TECHNICAL SKILLS

Machine Learning Python (Tensor Flow)
Front end Dev. React.js
Backend Node.js
Data Science Machine Learning and SQL

→ ACADEMIC PROJECTS

Application for Partially Deaf Children: Pronunciation teaching platform with the help of Speech Recognition

Achievements

Microsoft office Specialization
German language A-1 Course, SMME, NUST
Courses in Information Security, Machine Learning, Software Development

Community Involvement

Project Insaniat, 2017

Extra Curricular Activities

SEECS DramaFest
Participation in HONET-ICT Sports Gala
-Badminton
-Cricket

Hassan Kumail Ali

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LinkedIn profile [linkedin.com/in/hassan-kumail-ali/](https://www.linkedin.com/in/hassan-kumail-ali/)

Career Objectives

I am a highly-motivated Software Engineering student having a deep interest in Web/Cloud Technologies. I have also done a bachelor-level 6 diploma in Front-end Development from OpenClassrooms which is approved by the National Directory of Professional Certifications, France. Looking forward to opportunities related to Serverless Web Development.

→ EDUCATION

2021 Software En National University of Science and Technology, H12, ISB

2017 FSc. Sir Syed College, The Mall, Rawalpindi

2015 Matric Global School System, Harley Street, Rawalpindi

→ WORK EXPERIENCE

07/2020 Current Internet of Things (IoT) Lab, SEECS, NUST

Identifying and employing suitable methods and techniques to collect and analyse satellites' imagery data. Labeling the downloaded data to make it suitable to be used by Machine. Helped in making web portals for projects.

09/2020 10/2020 AlphaSquad, NSTP, NUST

Helped in making relational database design using ERD, for a large web application, and implementing it in MySQL. Made a REST API, for the web app, with Authentication and Authorization.

→ PROFESSIONAL & TECHNICAL SKILLS

Web Development HTML, CSS, JS ES6, ReactJS, NodeJS

Machine Learning Python (Keras, NumPy, Pandas, Matplotlib)

Version Control Git & Github

Digital Marketing SEO, PPC, Facebook Ads

→ ACADEMIC PROJECTS

Time-series Analysis of Water Quality using Geographical Information Systems, Remote Sensing and Internet-of-Things



Achievements

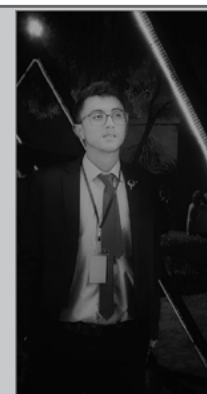
I was selected by Facebook Developers Circles to pursue Front-end Web Development Bachelor's Level 6 Diploma from OpenClassrooms, which is registered with Board of Education in Paris, France. The scholarship was awarded to only 50 students worldwide and only 4 Pakistanis.

Community Involvement

Project Insaaniyat 2017

Extra Curricular Activities

Executive Web & IT ACM, NUST
Orientation of NUST, 2018
SEECS Dramafest



Syed Ismail Shah

Email Address ishah.bese17seecs@seecs.edu.pk

LinkedIn profile <https://www.linkedin.com/in/ismail-shah-73570b160/>

Career Objectives

A highly motivated Software Engineer and team oriented individual with strong research and analysis skills interested in the position of Data Scientist with the superb ability to communicate complex technical ideas in easy to understand format will always be the goal.

→ EDUCATION

2021 Software En NUST

2017 FSc Fazaia Inter College Kohat

2015 Matric Fazaia Inter College Kohat

→ WORK EXPERIENCE

Feb 2021 Current abcData - Data Analytics Intern

Including the scrapping of Data from different websites with Selenium Python, preprocessing that data and working out SQL Queries and then presenting that data with complex analytics and visualizations using libraries of java script.

Jun 2018 Aug 2018 PRCS - Community Services

Knowing about how organization works and it handles the field work for the victims.

→ PROFESSIONAL & TECHNICAL SKILLS

Data Science Pandas, Numpy, Matplotlib, Regex, NLTK, NetworkX, Seaborn

Machine Learning SQL

Python Web Scrapping

Tableau Development

→ ACADEMIC PROJECTS

1. Urdu Medical ChatBot for Disease Prediction Through Speech Processing (FYP)
2. Analysis and Prediction of COVID-19 (Forecasting)
3. Smart Image Search (Artificial Intelligence)
4. Stock Inventory System (SQL Database and Java Front-End)

Achievements

Community Involvement

Intern in PRCS to know about community services they provide and how they do handle all that by doing field work as well

Extra Curricular Activities

Football
Travelling
Cricket
Public Speaking

Aamir Farooq Khan

Email Address amirkhan11999@gmail.com

LinkedIn profile https://www.linkedin.com/in/aamirfarooqkhan/

Career Objectives

I want to start my career with a reputable organization which could offer potential growth and professional development. In the long-run, I want to see myself as a leader and a decision maker.



EDUCATION

2017-2021 (BS) Software Engineering NUST, Islamabad
2015-2017 (FSc) Pre-Engineering Islamia College Peshawar



WORK EXPERIENCE

Professional Freelancer

- Maintain a 100% job success rate
- Communicate with local and foreign clients

SEO Content Writer at Sheetaki.com (Malaysia-based startup)

- Posted 10+ articles on Sheetaki.com
- Used WordPress utilities for SEO
- Received a 5-star review from the client

SEO Content Writer at ReviewsGarage.com

- Posted 10+ articles on ReviewGarage.com
- Performed keyword research and SEO



PROFESSIONAL & TECHNICAL SKILLS

Flutter

HTML5/CSS3

Javascript

Python

PHP

Java

OOP

MySQL

Data Analysis Technical Writing

UML Modeling



ACADEMIC PROJECTS

- Enhanced Water Quality Monitoring and Analysis using Multi-Modal Approach (Final Year Project)
- Asteroid game (UML modeling and documentation (Client-Project))
- Picture Gallery Web-App (Web development course project)

Achievements

- Maintain 3.72/4.00 CGPA
- Secured position in top-20 in secondary school examination.
- Top-rated freelancer on Upwork

Community Involvement

Extra Curricular Activities



Laiba Noor Malik

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LinkedIn profile linkedin.com/in/laiba-m-766671116/

Career Objectives

An enterprising young professional intending to establish myself as a Software Engineer with an integrated business solution provider through a long-time commitment, contributing to the company's growth and in turn ensuring personal growth within the organization. With a belief that my technical, functional and communication skills will enable me in facing the challenging career ahead.



EDUCATION

2021 BESE National University of Sciences and Technology, H-12, ISB
2017 Int A Levels Pakistan International School(ES), Riyadh, KSA
2015 IGCSE Pakistan International School(ES), Riyadh, KSA



WORK EXPERIENCE

Sep 2020 Jan 2021 AlphaSquad, NSTP, NUST

Actively created front-end components and templates in Vue.js as weekly and monthly updates for the company's product, tailwinduikit.com. Involved in the quality assurance of the front-end components before releases.

May 2020 Aug 2020 Canvas Insight, NSTP, NUST

Created website pages using HTML and CSS.



PROFESSIONAL & TECHNICAL SKILLS

Web Development HTML, CSS, JS ES6, VueJS, NodeJS, Wordpress, SQA
Machine Learning Python (Keras, Pandas, NumPy, Matplotlib)
Mobile App Dev React Native
Version Control Git and Github



ACADEMIC PROJECTS

Medical Image Captioning of Chest X-Rays
COVID-19 Prediction in Pakistan
Wedding Planner - PHP, CSS, HTML, JS, jQuery, Ajax

Achievements

Microsoft Office Specialist Certification

Community Involvement

Project Insaniyat - 2017

Social Internship at Al-Qalam - 2017-2018

Social Internship at Pakistani Doctors Association, Medical Camp

Extra Curricular Activities

NIMUN'20, Team Web & IT

Member of SGA, SEECS

Muhammad Shaharyar

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LinkedIn profile <https://www.linkedin.com/in/muhammad-shaharyar-049a0516a/>

Career Objectives

A Passionate Software Engineering student at NUST(H-12) having competitive skills in web development , machine learning, data science ,python looking for industry experience to polish analytical, technical and managerial skills.



EDUCATION

2021	BESE	National University of Sciences and Technology(NUST)
2017	HSSC	Divisional Public School and College ,Sahiwal
2015	SSC	Divisional Public School and College ,Sahiwal



WORK EXPERIENCE

07-2018 08-2018 Akhuwat Foundation

Community Service Intern

10-2019 12-2019 Interns Pakistan

Web Development Intern



PROFESSIONAL & TECHNICAL SKILLS

Python	Data Science, Machine Learning, Data Analytics
Java , C++	HTML/CSS
Databases	Digital Marketing
Computer Networks	Project Management and Leadership



ACADEMIC PROJECTS

Urdu Handwriting Reconginiton on Mobile Platforms
Prediction of COVID-19 Spread in Pakistan (03/2020 - 06/2020)
Klik Engine - C++ Powered Search Engine (08/2018 - 01/2019)
Spirit(Sports App) (09/2018 - 01/2019)
Trainer Board Simulator (02/2018 - 06/2018)

Achievements

Mircrosoft Office Certification(MOS)

2nd Postion Naat Competition in College

Web Intern Certificate

Community Involvement

Insaniyat Project (Distribution of clothes and food to orphanage located at Rawalpindi)

Community Service Internship at Akhuwat Foundation

Extra Curricular Activities

Cricket
Snooker
Travelling
Car Enthusiat
Badminton



Mahnoor Faisal

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LinkedIn profile <https://www.linkedin.com/in/mahnoor-faisal-0637a61a4>

Career Objectives

Highly focused, self-motivated individual with collaborative skills and passion for building web solutions. Hopeful for a Web Developer position at a well reputed organization to utilize advanced programming skills, graphic design expertise, and strong analytical and logical problem solving. Hoping to further polish my skills in a positive work environment conducive to personal and professional growth.



EDUCATION

2021	BESE	National University of Science and Technology,SEECS
2017	FSc	Punjab Group of Colleges, Rahim Yaar Khan ,1005/1100
2015	Matric	Army Public School and College System, RYK, Avg=91%



WORK EXPERIENCE

1/Jan/21 - Hactric Solutions - TIC , NUST

Web Application Front-end Development using React Js , Redux and Backend Integration

08/2020 09/2020 Turkish Aerospace Academy (TAI), Ankara, Turkey

Worked with Python's OpenCV library for Digital Image Processing and got familiarized with Qt for UI development of C++ Applications



PROFESSIONAL & TECHNICAL SKILLS

Web Development	React Js, Redux, Json,Css, Bootstrap, Node.js, Express.js
App Development	Flutter
UI and Prototyping	Adobe XD, Figma
Programming Lang	Python, C, C++, Java, Dart



ACADEMIC PROJECTS

Urdu Telephone Call Surveillance and Sentiment Analysis - Kaldi I Python,
Website Development - Online Customized Clothing Website
COVID19 Trend Analysis and Prediction Model - Machine Learning
Search Engine ImplementationI C++ - Optimization via Indexing and PageRank

Mahnoor Iqbal

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LinkedIn profile

Career Objectives

Seeking a position to enhance skills and contribute expertise in a corporate environment. Coming with knowledge of web services, machine learning, frameworks, and several programming languages.



EDUCATION

2017 F.S.C PakTurk International Schools and Colleges
2021 BESE National Univeristy of Sciences and Technology (NUST)



WORK EXPERIENCE

2019 2020 CS Unplugged
A research project that aims at improving kids' computer science education in Pakistan through activities, puzzles, videos, etc.



PROFESSIONAL & TECHNICAL SKILLS

Data Science Python, scikit-learn, pandas, numpy, seabron, keras
Web Development JS, Node JS, Express JS, CSS, HTML, PHP, Mongo DB
Desktop App Dev. Java, MySQL, Scene Builder
Digital Drawing Autodesk Sketchbook



ACADEMIC PROJECTS

Exoplanet Detection Using Machine Learning (Final Year Project)
Prediction of Covid-19 Spread in Pakistan (Python, PyTorch, Numpy, Pandas)
Wikipedia Search Engine (Python, MySQL)
RocketTech (HTML, CSS, JS, PHP, MySQL) - Interactive website for kids.
Fooditude (Node JS) - A website that lets users customize recipes.



Muhammad Azam Noor

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LinkedIn profile <https://www.linkedin.com/in/muhammad-azam-42569b155>

Career Objectives

A software engineering student who is aiming to find an opportunity that let's him groom his professional skills i.e. Web application security testing, Vulnerability analysis, Penetration testing and grow his career with it while making a genuine contribution to the success of his company and clients.



EDUCATION

2021 BESE SEECS, NUST
2017 F.Sc Nishat College of Science, Multan
2015 Matric Nishat High School, Multan



WORK EXPERIENCE

9/2019 8/2020 Cyber Security Club NUST
Cyber Executive

9/2018 6/2019 Nust Dramatics Club
Marketing Executive



PROFESSIONAL & TECHNICAL SKILLS

Web Testing Web Application Security
Cyber Security Penetration Testing
Computer Networks Network Security
Information Security Vulnerability Analysis & Assessment



ACADEMIC PROJECTS

Analysis of Vulnerabilities in a Web Application (FYP)

Achievements

Microsoft Office Specialist Expert certification

Wrote a research paper on exoplanet detection.

Community Involvement

Project Insaaniyat

Extra Curricular Activities

Digital Art
Sketching
Painting
Trekking

Achievements

Microsoft Office Specialist Certification

Cybersecurity for Business Certification by Coursera

Proactive Computer Security Certification by Coursera

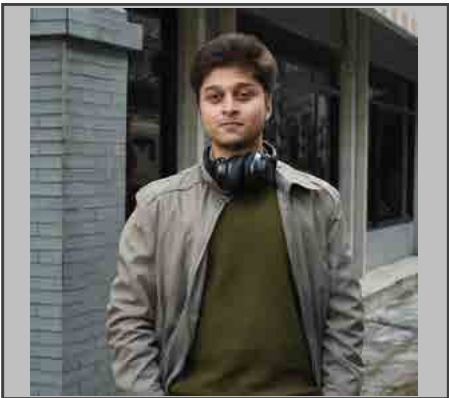
Community Involvement

Volunteer at SEECS Horticultural Society

Extra Curricular Activities

Nust Cricket League

Seecs Cricket League



Muhammad Saad Hussaini

Email Address saad01.1999@gmail.com
LinkedIn profile <https://www.linkedin.com/in/muhammadsaadhussaini/>

Career Objectives
I am a Full Stack Developer, Data Analyst and DevOps engineer eager to implement, refine and polish my existing skills and to expand my current knowledge base.

→ EDUCATION

2021 BESE National University of Sciences & Technology

→ WORK EXPERIENCE

09-2020 Present Microtrack
Associate Software Engineer

12-2020 Present University of Chicago Medical Center
Data Analyst | Backend Developer | ETL Developer

→ PROFESSIONAL & TECHNICAL SKILLS

AWS Laravel | Django | Node | Flask
Kafka ETL | Warehouse Operations
Flutter Docker | Kubernetes
Talend | SSIS Data Analysis

→ ACADEMIC PROJECTS

- Data Warehouse Monitoring and Analysis Subsystem
- Data Warehouse ETL Framework
- SmartEEG (EGG Analysis Mobile App)
- GitKLiK (Laravel Version-Control App)
- LaraFest (Laravel Event Management System)

Achievements

Microsoft Office Specialist Certified

Community Involvement

- Taking Community Service classes because I love Humans

Extra Curricular Activities

Staring at the corner of my room
Reading books
Avoiding deep thinking
Playing games
Creating a lot of CVs



MUHAMMAD USAMA

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LinkedIn profile [linkedin.com/in/usamanawaz](https://www.linkedin.com/in/usamanawaz)

Career Objectives
I'm a software engineering student from NUST having good skills in web development, computer networks, machine learning and python, looking for internships in multi-national organizations to learn new skills and polish existing skills.

→ EDUCATION

2021 BESE NUST Islamabad
HSSC Abbottabad Public School
2015 SSC Abbottabad Public School

→ WORK EXPERIENCE

06-2018 07-2018 Akhuwat Foundation
Community Services Intern

07-2019 08-2019 AIESEC Turkey
Global Volunteer

→ PROFESSIONAL & TECHNICAL SKILLS

Python Machine Learning
C++ Java
Web Development Software Quality Assurance
Computer Networks Network Security

→ ACADEMIC PROJECTS

Enhanced Water Quality Monitoring by exploiting Multi-Modal approach

Achievements

MOS certification by Microsoft

Community Involvement

Community Services internship at Akhuwat Foundation

Extra Curricular Activities

Football
Travelling
Car Enthusiast
Adventures

Owais Rehman

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Career Objectives

I am a Software Engineering student with a very keen interest in Software Development and Cloud Computing Technologies. I am looking for a well reputed organization with highly competitive environment where I can use and enhance my skills for the betterment of the organization.

EDUCATION

2021	BESE	SEecs, NUST
2016	FSc	Fazaia Inter College Nur Khan Base RAWALPINDI
2012	Matric	Bahria Model School SRE 3 Karachi

WORK EXPERIENCE

Jul 2019 Oct 2019 Enexol Pvt Ltd
Worked as an Android Development Intern, helped to refactor their existing app by migrating it to new technology.

PROFESSIONAL & TECHNICAL SKILLS

Mobile Application	Android Development
Web Development	.NET Core, NodeJs, Express
Data Science	Python (Pandas, Matplotlib, Plotly)

ACADEMIC PROJECTS

ACUTE:
ACUTE is an Artificially Intelligent Agent-Based COVID-19 simulation framework that generates reliable forecasts for the spread of Coronavirus

Achievements

Reached Pakistan's Finals in Microsoft Imagine Cup 2021

Participated in Telenor APPCON competition in November 2019

Community Involvement

Extra Curricular Activities

Football
Book Reading

Eisha Moin

Email Address emoin.bese17seecs@seecs.edu.pk

LinkedIn profile

Career Objectives

A dedicated individual who aims at developing practical and time saving software solutions. Seeking a career opportunity that allows me to utilize my skills to deliver quality work and further develop my abilities in this field.

EDUCATION

2021	BESE	SEecs, NUST
2017	F.Sc	FBISE (95 %)
2015	Matric	FBISE (89.54 %)

WORK EXPERIENCE

Nov, 2019 Mar, 2020 SEecs, NUST
CS Unplugged - Designed activities based on Computer Science concepts along with videos for K-12 children. This research project aims at promoting CS (without using computers) in Pakistan.

PROFESSIONAL & TECHNICAL SKILLS

Data Analysis	Analysis & Visualization
Machine Learning	Python - ScikitLearn, Keras, PyTorch, Pandas, NumPy
Web Development	HTML5, CSS, JavaScript, jQuery, Node.js, PHP
Desktop Dev	Object Oriented Java, Scene Builder, Javafx, MySQL

ACADEMIC PROJECTS

Exoplanet Detection Using Machine Learning (FYP),
RockeTech (e-learning website),
Prediction of COVID-19 Spread in Pakistan Using ML,
Fooditude (Recipe searching website - MVC Pattern, Webpack, Babel),
Wikipedia Search Engine, Harry Potter Quiz Game (Unity 3D)

Achievements

* Microsoft Office Specialist Certification
* CGPA - 3.67
* Research paper on 'Exoplanet Detection Using Machine Learning'

Community Involvement

Project Insaaniyat (2017)

Extra Curricular Activities

* Travelling
* Board Games
* Puzzle solving



Saad Akram

Email Address saadakram372@gmail.com
LinkedIn profile linkedin.com/in/saad-akram-11148a166/

Career Objectives

A software engineer looking forward to be a part of an organization in order to work on different products and see them grow. With multiple experiences in the fields of Mobile app and web development, I am passionate to work for a company where I can personally grow and help the company excel in these fields with my knowledge and skillset.

→ EDUCATION

2021	BESE	National University of Sciences and Technology, H-12, ISB
2017	FSc.	Faisalabad Grammar College, Faisalabad
2015	O Levels	Kohinoor Grammar School, Faisalabad

→ WORK EXPERIENCE

09/2020	01/2021	Hayan Systems
A full stack developer working mainly with React, React Native and Django. Developed the front end and Django backend for apps along with the implementation of the Group Video Calling feature in web app (CallCryption)		
06/2020	09/2020	Independent Contract Based Freelance Project
Developed a food delivery application with the responsibility of the backend of Shops, Restaurants and the admin panel. Responsible for push notifications Firebase Authentication, DBS, Splash Screen and Location Google Services.		

→ PROFESSIONAL & TECHNICAL SKILLS

Mobile App Dev	React Native(redux),Django,Firebase,Android(java), Flutter
Web Development	HTML, CSS, JS, React (redux), Node.js, Django, PHP
Data Analysis	Python (Pandas, Numpy, Matplotlib)
Version Control	Git and Github

→ ACADEMIC PROJECTS

Talafuz - A mobile app to improve the Urdu spoken skill of children with partially impaired hearing.
Wedding Planner - PHP, CSS, HTML, JS, jQuery, Ajax
COVID-19 Spread Prediction in Pakistan

Achievements

- Supply Chain Logistics Certificate from Rutgers University
- Mobile App Development React Native Certificate from Harvard University
- MS Office Certified (Powerpoint, Word, Excel)

Community Involvement

- Project Insaniyat - 2017

Extra Curricular Activities

- Director Admin Events, NUST Debating Society - 2018/19
- Assisstant Director Finance, NUST Media Club - 2018/19
- Deputy Director Event Management, Orientation of NUST 2019
- Vice President Resources, Cre8if (International Design Conference)



Saifullah

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LinkedIn profile https://www.linkedin.com/in/saifullah73/

Career Objectives

Make an Impact!

→ EDUCATION

2021	BESE	National University of Science and Technology (NUST)
2017	Fsc	OPF Boys College (Isb,H-8)
2015	Matric	OPF Boys College (Isb, H-8)

→ WORK EXPERIENCE

Sep-2020	Feb-2021	Cloudelligent
Data Science Associate Responsible for developing ETL workflows for Machine Learning applications on AWS		
Jan-2019	Dec-2019	Rapidev
Android Developer Responsible for leading and developing Android app for their flagship product, Rapics		

→ PROFESSIONAL & TECHNICAL SKILLS

Machine Learning	NLP, Forecasting, Anomaly Analysis, Pytorch
Modelling and Simul	Agent Based Modelling, Location Graphs, Mobility patterns
Cloud Computing	AWS, EC2, Glue, Redshift, S3, DynamoDB, ECS, Lambda
Other	Project Management, Agile, Scrum, Design Thinking

→ ACADEMIC PROJECTS

ACUTE - Artifically Intelligent Agent Based COVID-19 simulation framework
Test Suite Minimization- Indigenously developed algorithms to reduce test suite
JASPER- XMPP based chat application
FETCHIT- Wikipedia Corpus search engine based on page rank algorithm
SPIRIT- Web and Android app for local sports organization

Achievements

- Two research publication in A rank conferences
- Certified AWS cloud practioner
- Nominated for Impact Award at Brunel University for research contributions
- Reached Pakistan's Final for 2021 Imagine Cup
- CGPA 3.99/4.00

Community Involvement

- Lead 2020 intern recruitments for TUKL lab and personally mentored two students over course of internship

Extra Curricular Activities

- Invited to talk about data science as a member of panel to an international Webinar
- Participated in Telenor AppCon Hackathon in 2019 with Jasper
- Participated in Birmingham City University Curriculum Co-Design Workshop
- Managed the execution of 3rd IAPR Summer School on Document Analysis
- Served as Deputy Director of Web and IT at NIMUN

SAIRA FATIMA

Email Address saira0308542gmail.com
LinkedIn profile https://www.linkedin.com/in/saira-fatima-43622315a/

Career Objectives
I am a highly Hardworking student looking for responsible position to gain Market Experience. I am very good in Programming and I am ambitious to further polish my Coding skills by working on Industrial projects.

→ EDUCATION

2021 BESE NUST, Islamabad
2017 Fsc Punjab College, Burewala
2015 Materic The Spirit School, Burewala

→ WORK EXPERIENCE

MAY,201 Aug, 201 Spectra Magazines
I was a graphics Designer. I designed animations, posters and cartoons

→ PROFESSIONAL & TECHNICAL SKILLS

DApp Development Ethereum, solidity, hyper ledger development
Graphics Designing Logo, Animations, Cartoons and Caricature Designing
Web Development front and backend php scripting

→ ACADEMIC PROJECTS

Blockchain Technology In supply chain tracebility in Tea Industry

Achievements

Community Involvement

Social Worker working with Shirkat Gah on basic Human rights

Extra Curricular Activities

Gamming, Designing, reading



Sarwan Ahmed

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Career Objectives
A highly motivated and responsible individual having background knowledge of Machine Learning and some Front-end development skills, seeking for an opportunity in Machine Learning/Data Science field to expand my learnings, knowledge and skills.

→ EDUCATION

2021 BESE SEECS, NUST Islamabad
2017 Intermediate Govt. Degree College Larkana
2015 Matric Govt. Saint Joseph High School Larkana

→ WORK EXPERIENCE

10-2019 11-2019 Interns Pakistan
The internship was remote, and all tasks were on basic level except the project. I worked on WordPress to create a website using available template.
Tools: HTML/CSS, JavaScript and WordPress.

→ PROFESSIONAL & TECHNICAL SKILLS

Python Machine Learning
Java HTML/CSS
JavaScript MySQL

→ ACADEMIC PROJECTS

- 1. Project Farmers | 12/2017 01/2018
- 2. ELCO (Elections Computrized) | 04/2018 05/2018
- 3. COVID-19 Spread Trend Prediction | 03/2020 06/2020
- 4. Pakistani Sign Language Interpreter | 09/2020 Current

Achievements

MOS Certification by Microsoft

Community Involvement

- Volunteer in Agosh Al Khidmat Orphanage Visit
- Volunteer in 36th Street Store

Extra Curricular Activities

- Project Hope Executive, Chadar NUST Chapter
- Media Coordinator, Team Khidmat-e-Insan
- OC Member, SEECS Convocation '19



Taimoor Khan Mahsud

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Career Objectives
A machine learning/data science enthusiast having strong attention to detail along with leadership, management and technical expertise looking forward to a professional organization where I can learn, experience and enhance my proficiencies.

→ EDUCATION

2021 BESE National University of Sciences and Technology Islamabad
2017 Intermediate Abbottabad Public School

→ WORK EXPERIENCE

07/2019 - 08/2019 SAUFIK
Worked as Java Programmer. Built small desktop projects using JavaFX, Scene Builder and JDBC. Also built small Java Web projects using Spring Framework (Spring Boot) and Thymeleaf (HTML). Also gained knowledge about JSP, JSON, XML, JPA, Restful APIs and POSTMAN etc.

07/2018 - 08/2018 PTCL
Worked as switching intern at PTCL Hazara Telecom Region dealing in switches and the network hierarchy of SIEMENS (EWSD) and ZTE switches. Worked also in the MM & BB department learnt about the different portals of PTCL, dealt in internet devices.

→ PROFESSIONAL & TECHNICAL SKILLS

- Machine Learning
- E-commerce
- Python
- Communication Skills

→ ACADEMIC PROJECTS

Machine Learning/Data Science related work on the available datasets of COVID-19.
A complete automobile workshop related website using HTML, CSS, Javascript, JQuery, PHP.
A Java Web Application using Spring Boot with JPA and Thymeleaf (HTML).

Achievements

- 1. Microsoft Office Specialist (Word, PowerPoint, Excel).
- 2. Outstanding Diplomat of UNDP at Model United Nations Abbottabad 16 (MUNATD 16).
- 3. NUST International Model United Nations 17 (NIMUN 17).

Community Involvement

- 1. Senior Vice President ACM, NUST Chapter
- 2. Director General AMUN Summit'18

Extra Curricular Activities

- 1. Director Registrations HackACM'19
- 2. Executive and Director Photography at various societies in NUST (NMC, NFAC, NPAS)



Zain Khalid

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Career Objectives
A Passionate Software Engineering student at NUST(H-12) looking for industry experience to polish analytical and managerial skills.

→ EDUCATION

2021 BESE National University of Sciences and Technology (NUST)
2017 HSSC Punjab College for Boys (PGC), Bahawalpur. (BISE BWP)
2015 Matric-SSC Fauji Foundation Model School, Bahawalpur. (BISE BWP)

→ WORK EXPERIENCE

2019/05 2019/08 TUKL R&D LAB - NUST
Machine Learning - Summer Intern

2018/06 2018/08 Akhuwat Foundation
Marketing and Community Service Intern

→ PROFESSIONAL & TECHNICAL SKILLS

- Python Machine Learning, Data Science, Modelling and Simulation
- Java HTML/CSS
- C++ MySQL Databases
- Digital Marketing Project Management, Leadership and Design Thinking

→ ACADEMIC PROJECTS

- URDU LENS - Urdu Handwriting Recognition On Mobile Platforms
- Prediction of COVID-19 Spread in Pakistan
- NustWORKS (Freelancing Desktop Application) in C#
- PickUply (Web Based Hiring Portal)
- NUSTANA (Food Delivery App) in JAVA and Large Scale Search Engine

Achievements

- Microsoft Office Certification (MOS)
- CGPA 3.73/4.00

Community Involvement

- Participated in 2020 intern recruitments for TUKL R&D Lab and personally mentored two students over course of internship.
- Insaniyat Project (Distribution of clothes and food to orphanage located at Rawalpindi).
- Community Service Internship at Akhuwat Foundation

Extra Curricular Activities

- Travelling
- Car Enthusiat
- Badminton

Abdul Hadi

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Career Objectives

Data Analyst looking for exciting work in the fields of Data Science and Machine Learning to make useful and exciting products



EDUCATION

2021	BESE	NUST - SEecs, Islamabad
2017	ICS	Pubjab College of Science, Faisalabad
2015	Matric	DareArqam School, Faisalabad



WORK EXPERIENCE

Dec 2020 Present HiveTech Global

Web Developer
Creating websites using Wordpress and PHP
Using APIs and plugins to enhance functionality

June '19 Jan '20 TUKL R&D Center

ML Research Intern
Trained Price Prediction and Similarity Model usings Python- Scipy and Google Collab. Learned Research Techniques and studied machine learning



PROFESSIONAL & TECHNICAL SKILLS

Data Science Python, R, Matlab, SQL, Rapidminer, Weka, Seaborn

Machine Learning Keras, Scikit, Pytorch, Platypus

Web Developement PHP, Laravel, Django, Flask

Management Good with documentation, project and budget planning



ACADEMIC PROJECTS

CricGen (FYP) - Automatic Commentery Generator
FICS Website - Website for campuswide startup event (fics.nust.edu.pk)
News Summarization System using BART based models
Data Scraping tools for US government websites

Achievements

Winner in NUST Olympiad 2020
Speed Programming

Finalist in Smartest NUSTian 2018

Received Scholarship in all three
categories (Web, ML, Data) from
Facebook Developer Circle
Islamabad

Community Involvement

International Coordinator for Hope
Lions Club

Member of Umeed School
Foundation

Student Instructor for SEecs
Academic Club workshop

Extra Curricular Activities

Tech Lead for ACM NUST (2020)

Web & IT Lead for IEEE SEecs
(2019-2020)

Director Crowd Management in
ExTRA OPAL'15

Director Publications for Youth
Entrepreneur Society (2019)

Director Publications for NUST
Summer School (2019)



ABDULLAH SAEED

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Career Objectives

I am passionate about providing solutions and writing innovative and state-of-the-art programs. A tech-savvy individual equipped with the ability to quickly grasp knowledge. A skilled leader with the experience to develop teams and motivate them when needed. A persuasive orator, innovative thinker, and strategic developer to build software that meets the organizational needs. Looking for an opportunity in the Quality Assurance domain.



EDUCATION

2021	BE Software	SEecs NUST H12 Islamabad (CGPA : 3.48)
2017	FSC	APS Gujranwala Cantt (89%)
2015	Matric	APS Ordnance Rawalpindi Cantt (95%)



WORK EXPERIENCE

Oct 2019 Present SEecs NUST H12

Working in a team comprising of three students under the supervision of an Assistant Professor. We created videos related to computer-related topics such as binary numbers in the Urdu language for the Pakistani students.

Nov 2019 Present Fiverr

Level one, Five-star rated seller on Fiverr providing technical content writing services with a vast portfolio.



PROFESSIONAL & TECHNICAL SKILLS

Web Development HTML/CSS/JAVASCRIPT/JQUERY/BOOTSTRAP

Machine Learning Python / Pytorch / Tensorflow / Keras / Pandas

Coding Languages Python / JAVA / C++

Documentation SRS Document / Software Requirements Engineering



ACADEMIC PROJECTS

1. COVID -19 SOP Violation Detection Using CCTV Footage (Final Year Project)
2. COVID-19 predictor using forecasting and LSTM models
3. Website for the delivery of medicines
4. Virtual chat application in the Linux Operating System
5. Search Engine Development



SYED JAWAD BUKHARI

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Career Objectives

A final year student at National University of Science & Technology (NUST) pursuing a degree in Software Engineering and looking for internship/job in web development or Data Science.

EDUCATION

2021	BE-SE	National University of Sciences & Technology (NUST)
2017	Pre-Eng	Divisional Public School & Inter College (DPS) Sahiwal
2015	Matric	Divisional Public School & Inter College (DPS) Sahiwal

WORK EXPERIENCE

2020	Present	Freelancing at Fiverr
Data Science and web scraping projects and Web Development		
Jul2018	Aug2018	Akhuwat Foundation
Fundraising Intern		

PROFESSIONAL & TECHNICAL SKILLS

Data Analysis	Python, Pandas, NumPy, Matplotlib, Seaborn, SK-learn
Development	RoR, Angular, Firebase, SQL, PostGreSQL, NodeJs, JS
ML	Python, TensorFlow, OpenCV, Inception models, PyTorch
Languages & Tools	Python, JS, C++, Java, Ruby, PHP

ACADEMIC PROJECTS

- FYP: "Automatic Detection of Weapons from Videos Using Neural Networks"
- Forecasting COVID-19 trend for Pakistan using Machine Learning
- Inter-University food delivery web application (AngularJS/Firebase)
- Dodge the ball game (Pygame)
- Search Engine for Wikipedia using Python

Achievements

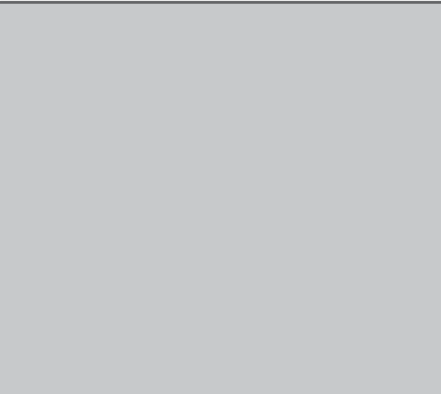
- Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization by Coursera
- Data Science Foundations - Level 1 by IBM
- NN & Deep Learning by Coursera
- Microsoft Office Certification (Word, ppt, Excel)

Community Involvement

- Fundraising Intern at Akhuwat Foundation

Extra Curricular Activities

- Inter-NUST Football champions, 2019-20
- Marketing Executive at HackACM'19, (Overnight hackathon event sponsored by Bentley, Google, Github and Byco at KNCT-hub, Islamabad by ACM - NUST chapter)
- Participated in Table-Tennis and Snooker competition in NUST Olympiad, 2019.



Ammara Ghalib

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LinkedIn profile

Career Objectives

Dedicated and hard-working individual seeking an opportunity to work in a company where I could use my Machine Learning and Web development skills effectively

EDUCATION

2021	Software En	SEECS, NUST Islamabad
2017	F.Sc	F.G Postgraduate College for Women, Rawalpindi
2015	Matric	F.G Girls High School, Rawalpindi

WORK EXPERIENCE

08-2020	10-2020	Techylem
<ul style="list-style-type: none">• Worked as Web Development Intern• Responsible for developing Restful APIS for application ORFOL using Django Rest Framework		
10-2020	Present	Canvas Insight I NSTP-NUST
<ul style="list-style-type: none">• Working as Research Intern• Autonomous depression diagnosis by analysis of children's drawings using deep learning techniques		

PROFESSIONAL & TECHNICAL SKILLS

Machine Learning	PyTorch, Tensorflow Keras, OpenCV, Python
Programming	Python, Java, Node.js, C++
Web Development	HTML, CSS, JavaScript, JQuery, Bootstrap, PHP, Django
Databases	PostgreSQL, MySQL, Sqlite

ACADEMIC PROJECTS

- Canvas Insight: (FYP) Artificial Intelligence based Drawing tool for Autonomous Depression Diagnosis using deep learning techniques.
- Covid Spread Forecast: LSTM model to forecast the spread of Covid-19 in Pakistan.
- ORFOL: Developing Restful APIS for application ORFOL using DRF.

Achievements

- NUST Merit Scholarship in Bachelors Degree
- Microsoft Office Certified

Community Involvement

- Member of Nust Community Service Club
- Member of Taba Youth Chapter
- Volunteered in blood donation drive carried by NCSC
- Worked as Eco-Intern in WWF

Extra Curricular Activities

- Drawing
- Video Editing
- Arts & Illustrations



FATIMA ARSHAD

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Career Objectives

Motivated and team oriented problem solver, passionate to integrate data science and machine learning applications and technology in solutions to real-world problems and automating pre-existing processes especially hydroponic agriculture to address global food security.

→ EDUCATION

2021 Bachelors of National University of Science and Technology (CGPA 3.53)

2017 GCE A'Leve Cambridge International Examinations (St. A's) Roots

2015 GCE O'Leve Cambridge International Examinations (St. A's)Beaconhouse

→ WORK EXPERIENCE

Dec'20 March'21 JAZZ

Data Science Internee:Extraction of desired data from dynamic videostreaming websites through web scraping in python.Perform data analysis on the extracted content to present data-driven business insights to underpin decision making.

Nov'20 March'21 NESCOM, CENTech

Data Analyst Internee: Extraction of desired data from confidential websites through web scraping and developing parsers in python. Perform data analysis and natural language processing on the extracted content.

Jan'20 to Aug'20 : BeaconInvestment: Wordpress Developer and SEO Analyst

→ PROFESSIONAL & TECHNICAL SKILLS

Data Analyst Python, R, SQL, Talend, Firebase

Machine Learning TensorFlow, PyTorch, Keras, Neural Networks

Web Development MEAN Stack, Wordpress, SEO Analyst experience, API

Communication Skill: Innovative, Team-oriented, Problem Solver, Project Mngt

→ ACADEMIC PROJECTS

Automated speech recognition model for transcription of Urdu videos

Smart indoor hydroponic farms

COVID-19 time series forecasting

Recipe searching app Node.js, MongoDB

Achievements

- Publication at International Conference of Artificial Intelligence
- Participant at NeurIPS Conference 2020
- Volunteer and participant at WiML Conference
- Organizer Honet-ICT
- IELTS: Band 7.5

Community Involvement

- Founder and Managing Director SYNCH Engineering Wing <https://synch.org.pk/>
- Educating the underprivileged- Javed Public School, Khushab
- AWS Cloud Community Member
- ACM and Google DSC Executive
- Open Science Society Member Editorial Board

Extra Curricular Activities

- Winner NUST Women Handball Championship 2018
- Winner SEECS Women Basketball Championship 2018
- Captain SEECS Table Tennis Team 2020
- SEECS, NUST Volleyball Team Member



HAMNAH KHALID

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Career Objectives

A highly motivated, creative, and hardworking individual looking to work with industry professionals to increase skills, gain exposure, and build a strong professional career. My interests lie in the fields of Business Application Development, Data Science, and Data Analysis. I also enjoy Creative Content Writing.

→ EDUCATION

2021 BE Software National University of Sciences & Technology

2017 A Levels School of Research Science, Dubai, UAE

2015 O Levels School of Research Science, Dubai, UAE

→ WORK EXPERIENCE

Feb, 2021 - Arqitek, Dubai, UAE

Content & Development Junior Executive. My job roles include WordPress Integration, Microsoft Azure Integration, Content Creation, and Blog Writing

Aug, 2020 Oct, 2020 Saudi Arabian Airlines, Dubai, UAE

A Data Science and Application Development Internship. My job roles included creating small applications to automate processes like Payroll tracking, Risk Management, Final Settlement Calculator, and Inventory Management. I also touched up on blockchain and data integrity.

→ PROFESSIONAL & TECHNICAL SKILLS

C++/Data Science Object Oriented Programming | Data Analysis & Extraction

Web Development HTML | CSS | Node.js | MongoDB

Machine Learning Python | PyTorch | TensorFlow | Keras

Writing Technical Writing | Blog Writing | Content Writing

→ ACADEMIC PROJECTS

- Coronavirus spread predictor - Machine Learning
- SEARCH ENGINE - Data Sctructures & Algorithms
- Virtual Chat-Bot - Computer Networks - Socket Programming (Python)
- Charity Website - (HTML, CSS)
- Automatic Survey of Reforestation Potential using Machine Learning

Noor Ul Ayn

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Career Objectives

A software engineering student with a passion to make an impact in Deep Learning domain. To work in an environment where I can not only understand the intricate working of engineering knowledge but also implement my skills in a productive fashion to benefit the society.



EDUCATION

- | | | |
|------|---------------|---|
| 2021 | BESE | National University of Science and Technology |
| 2017 | FSc | Fauji Foundation College for Girls |
| 2015 | Matriculation | Army Public School And College Westridge |



WORK EXPERIENCE

- Jul 2020 Aug 2020 Fatima Group
- Worked in the IT Governance observing the ITIL framework of the organization. Performed gap analysis on the IT Infrastructure of Fatima Group and looked for any spaces that do not conform to the ITIL standard.
- Jul 2018 Aug 2018 FWO
- Primarily research consisted on sharpening grip on software product documentation. Evaluated basic concepts and current research scenarios in Machine Learning.



PROFESSIONAL & TECHNICAL SKILLS

- | | |
|----------------------|---------------------|
| Data Analysis | Panda, Numpy |
| Machine Learning | PyTorch, TensorFlow |
| Frontend Development | Html, CSS |
| Data Structures | C++ |



ACADEMIC PROJECTS

- COVID-19 Forecast:
Made predictions using machine and deep learning models and did statistical data analysis.
- Search Engine:
Developed a proximity algorithm that searches static dump of wikipedia pages and provides highly accurate results.



Syeda Shifa Binte Shariq

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Career Objectives

A software engineer aspiring to find opportunities to serve the society through software solutions, mainly focusing on websites, web portals and applications development.



EDUCATION

- | | | |
|------|--------|---------------------------------|
| 2021 | BESE | SEecs, NUST |
| 2017 | F.Sc. | ILM College for Women, Sargodha |
| 2015 | Matric | Islamic Alta Vista High School |



WORK EXPERIENCE

- 09/2020 03/2021 Systems Limited, Lahore
- Responsible for developing front-end of a cars auction web portal, in typescript using angular. The portal entailed mainly two modules i.e. the authentication module (for login/signup) and data requesting and rendering module (from connected database).
- 12/2020 06/2021 FIA, Islamabad
- Worked on two web portals needed by FIA for their own use, i.e. Staff management portal (named FOICA) and FIA recruitment portal based on Visual Studio, MVC, Rest APIs, Ajax and JavaScript, Bootstrap4, HTML5 and CSS3.



PROFESSIONAL & TECHNICAL SKILLS

- | | |
|-----------------|-------------------------|
| Web Development | MERN Stack |
| Wed Development | Angular.io |
| App Development | Flutter, React Native |
| Frontend Dev | HTML5, CSS3, Bootstrap4 |



ACADEMIC PROJECTS

- CrigoGen- Sports Commentary Generation using CV and NLP
- EzCooking – a recipes fetching website using MERN stack
- Covid-19 trend prediction – using LSTM and pytorch
- Meds4All – medicines search website, using PHP and Bootstrap
- Virtual Chat Room – using Python Socket Programming

Achievements

- Designed and Developed Smart Umbrella Prototype
- Designed a Density Based Traffic Controller
- Microsoft Specialist Certification (Word, PowerPoint, Excel)

Community Involvement

- Vice President - TABA Youth Chapter NUST
- Director HR - TABA Youth Chapter NUST

Extra Curricular Activities

- Director Registrations – SEecs ON'19
- Executive Registrations - SEecs Open House'19
- Executive Registrations – OPAL Conference'19
- Executive Finance – SEecs Government Association 2k18
- Executive Finance – NUST Cyber Security Club 2k19
- Executive Admin Events - NUST Bazm e Pakistan

Achievements

- 2nd Position in F.Sc. Pre-Engineering Exams, 2017, in BISE Sargodha.
- Inter-School Debate Competition Winner in Sargodha.
- Microsoft Office Specialist

Community Involvement

- Volunteer Worker at Akhuwat Microfinance Bank, Sargodha.
- Director Administration for Food Drives organised through TABA Youth Force - Chapter NUST.
- Director HR for Oldage Home Visits organised through TABA Youth Force - Chapter NUST.

Extra Curricular Activities

- Organising Committee Member at HONET'18
- Director Protocol at ExTRA OPAL'15
- Event Head for Thalassemia Screening Camp
- Technical Articles Writer at The Cryds Daily

Syeda Fizzah Hashmi

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Career Objectives

I am a Software Engineer seeking a job that provides an opportunity to utilize my acquired skills and knowledge. I want to use my skills in field of software engineering, thereby effectively utilizing what I've learned so far for the betterment of society and myself.



EDUCATION

2021	BESE	NUST
2017	FCS	The Scholars Science College
2015	Metric	P.O.F Model High School



WORK EXPERIENCE

Dec-2020	Today	Canvas Insight
Working as a Developer. Aiming to use deep-learning models for complete automation of HTP tests.		
June-2018	July-2018	World Wildlife Funds
Marketing team executive. Created multiple posters and designed logo.		



PROFESSIONAL & TECHNICAL SKILLS

ML and Deep Learni	Python, R, Keras, Pytorch, Tensorflow, Data Preproces
Web Development	HTML,CSS, JS, PHP, JQuery,React, Node.js, Express.js
Mobile App Dev	Flutter, Dart, Kotlin
Other Programing L	Java, C/C++, ASSEMBLY, BASIC



ACADEMIC PROJECTS

- > Depression Detection and classification
- > Covid-19 Spread Prediction in Pakistan.
- > Recipe searching Website React, NodeJs (live api Forkify)
- > Voting System
- > Edge Avoiding Robot

Achievements

- * CGPA: 3.72
- * Position in FBISE

Community Involvement

- Helped in preparations for orphan house visit, TABA
- Contributed in Food Awareness Campaign, WWF
- Contributed in Plantation drive 2018, NUST
- Developed posters for project related to Environment Awareness, NUST

Extra Curricular Activities

- Drawing
- Calligraphy
- Illustrating
- Badminton
- table Tennis
- Cricket



MUHAMMAD ZARYAB AKRAM

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Career Objectives

I'm a hardworking, self-motivated individual pursuing Bachelors in Software Engineering looking for opportunities in the domain of Information Security and IT.



EDUCATION

2012	SSC	BISE GRW
2014	HSSC Pre-Engg.	BISE GRW
2021	B.E. Software	SEECs,NUST



WORK EXPERIENCE

6 May 2020	8 June 2020	Super Asia MDS.Pvt Ltd.
Cooperate with networking staff to ensure smooth server access. Develop project concepts and maintain optimal workflow. Work with senior developer to manage large, complex design projects for corporate clients. Complete detailed programming and development tasks for front end public		



PROFESSIONAL & TECHNICAL SKILLS

Web Development	HTML,CSS,AJAX,JavaScript
Data Structures	C++
OOP	Java
Data Science	Python



ACADEMIC PROJECTS

- Professional Accomplishments
- Automatic Detection of Weapons from Videos using Machine Learning
- An online system that uses computer vision to automatically detect weapons from videos that can be used for violence detection in TV broadcasts and movies for parental control.
- Currency Converter Web Crawler using Python 3.5

Mariam Nasim

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Career Objectives

A highly motivated and ethical individual looking forward to using my passion for technology for the betterment of society

EDUCATION

2021 BESE National Univeristy of Sciences and Technology (CGPA:3.71)
2017 FSC Garrison Academy
2015 Matriculation Garrison Academy

WORK EXPERIENCE

10/2020 Present Techylem
AI Research Intern
Working on a lost and found app.
Dealing with Natural language processing including text classification, text summarization,
April 2020 May 2020 Code Conventions
Graphic Designing Intern
Dealing with complete UI/UX for various websites and mobile apps.

PROFESSIONAL & TECHNICAL SKILLS

Professional Project Management, Time management
NLP/SIP Text extraction, summarization
Web Development HTML, CSS, Javascript, MongoDB
Machine learning Python (Pandas, Tensorflow, data visualization, prediction)

ACADEMIC PROJECTS

1. Automated Urdu Telephonic Helpline for bus ticket Reservation (NLP, ML)
2. Predicting spread of COVID-19 in Pakistan (ML, python)
3. Attendance through facial recognition (Java, Open CV)
4. Complaint management website for housing societies (HTML, CSS, PHP)
5. Analysis of Page Ranking Algorithm (design and analysis of algorithms)

Achievements

Microsoft Office Certifications
(word, Excel, Powerpoint)

Community Involvement

1. Govt Special Education Centre - Teaching intern
2. TABA youth chapter NUST - Director
DÉCOR

Extra Curricular Activities

1. Finding Innovative and creative solutions for society (FICS, NUST) - Organizing Committee member
2. Spectra Magazine - Graphic Designer
3. Spectra Internship 2020 - Graphic designing instructor



SANA JAMIL

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Career Objectives

To understand the practical applications of the conceptual knowledge acquired, seeking work in a reputed company where I can grow with the organization and prove myself a fruitful resource of the company.

EDUCATION

2017 2021 Bachelor In Software Engineering, NUST Islamabad
2015 2017 FSC Pre-Engineering, Punjab College Multan
2013 2015 Matriculation, Chapter & Verse School Karachi

WORK EXPERIENCE

Nov'2020 Feb'2021 CENTech NESCOM
Web Scraping and NLP - performed web scraping of news website and performing NLP on the extracted data
Feb'2021 Till Date FIA
Web Development - Editing their registration website

PROFESSIONAL & TECHNICAL SKILLS

Special interest Data Science and Web Development
Major Software Development
Programming Langs PYTHON, C, C++, JAVA, PHP, HTML, CSS, SQL & JS

ACADEMIC PROJECTS

Googles Page Rank Algorithm
Virtual Chatbot in python ~handling sockets
Search Engine ~ using forward and backward Indexing
Railway Management System

Achievements

Distinction in Multan Board with 93% marks in F.Sc Pre Engineering.
Softwares and environments used: Sublime Text, Ubuntu, Ns2, Oracle VM VirtualBox, SQL, Visual Studio, CPU Simulator, IDLE, Wire Shark, Virtual Machine, Node.js, Cisco Packet Tracer, Eclipse, Selenium IDE & WebDriver, NetBeans IDE, React, React Native, Express.js

Community Involvement

Solely Heading the project "Sponsor A Child" which is a community service project. It aims at sponsoring the educational expenses of orphans in Noreen Zindagi Foundation in Islamabad.

Link to fb page:
<https://www.facebook.com/Sponsor-A-Child-TYF-397700684133523/>

Extra Curricular Activities

Office Bearer (Treasurer) in NUST Literary Society
Regional Level Award in Debates & Declamations
Resource in NUST Literary Society
Executive Publications in NUST Trekking Club
Executive Speakers Pool in NUST Debating Society
Social Media executive in Khud Kafeel Pakistan

Takreem Masood

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Career Objectives

A hard working software engineer from NUST looking for opportunities in the vast domain of software engineering and computer science. I believe in delivering with perfection to provide clients utmost satisfaction.

EDUCATION

2015	Matric	Army Public School and College System Westridge 3 RWP
2017	Pre-Engg	Army Public School and College System Westridge 3 RWP
2021	BESE	National Institute of Science and Technology (NUST) H12

WORK EXPERIENCE

- - -
- - -

- - -
- - -

PROFESSIONAL & TECHNICAL SKILLS

Leadership	Soft Skills
Urdu/English	Full Professional Proficiency
Microsoft Office	Technical Skills
Python/C++/Linux	Technical Skills

ACADEMIC PROJECTS

KNOWLEDGEMORT - A self made educational website
SEARCH ENGINE - An anaconda spyder powered customized search engine
VIRTUAL CHATROOM - Python deployment of server and client side networks
2D INDIE PYTHON GAME - Uses python 3 to provide interactive gaming
Urdu Voice Based COVID-19 Screening Chatbot using Python, Rasa, Asterisk

Achievements

How to make a wordpress website -
Udemy Certificate

Community Involvement

Provided community service by
doing plantation drive and
cleanliness drive in and outside
NUST

Extra Curricular Activities

Certified: MOS Excel 2013
Certified: MOS Word 2013
Certified: MOS Powerpoint 2013



Umer Abdul Khaliq

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Career Objectives

To work in a professional environment, to learn new tools and technologies in computer science to strengthen my skills and to give my best for the betterment of organization

EDUCATION

2021	BE Software	SEECS NUST H12 Islamabad, Pakistan
2017	A Levels	New Middle East International School, Riyadh, Saudi Arabia
2015	O Levels	New Middle East International School, Riyadh, Saudi Arabia

WORK EXPERIENCE

Jun 2019 Aug 2019 DICE Analytics
IT intern

PROFESSIONAL & TECHNICAL SKILLS

Web Development	HTML/CSS
Machine Learning	Python
Data Structures	C++/Java
Network Security	CISCO Packet tracer

ACADEMIC PROJECTS

Speech based Telephonic solution for farmers in native language using speech processing and machine learning
Developed website for a retail store using React.js
Developed a search engine using Wikipedia Dataset

Achievements

Best across 3 in Cambridge AS
Levels in Riyadh, Saudi Arabia
Topped in Cambridge AS Levels
Maths in Riyadh, Saudi Arabia
Best across 3 in Cambridge A
Levels in Central province, Saudi
Arabia

Community Involvement

NUST plantation drive in 2017

Extra Curricular Activities

Marketing Executive at Computer
Society of Pakistan NUST-SEECS
Chapter(2018-2019)
Human Resource Executive at
Youth Entrepreneurial Society
NUST(2018-2019)
Social Media Marketing Exectuvie at
NUST Trekking Club(2018-2019)
Human Resource Executive at
SEECS Open House 2019

Muhammad Usman Khawar

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LinkedIn profile LinkedIn ID https://www.linkedin.com/in/usmankhawar22/

Career Objectives

Final Year undergraduate with proven interpersonal and management skills looking for a collaborative environment to grow professionally in the field of technical management and Data Science.



EDUCATION

2015 Matric Sir Syed College, Wah Cantt
2017 Pre-Eng Forman Christian College, Lahore
2021 BESE SEECS, NUST H-12



WORK EXPERIENCE

Nov 2020 Present Bootcamp Student, Extreme Commerce
Amazon FBA Consultant with multiple Launches providing services of PPC Optimization, Listing optimizations(SEO) and FB business ads and marketing.
Nov 2020 Jan 2021 Kythertek SMC, NSTP, Nust
Web Developer , Associate
Creating website https://ezgeyser.com/ using Wordpress
APIs and plugins to enhance functionality



PROFESSIONAL & TECHNICAL SKILLS

Data Analysis Google Colab, Pandas, Numpy, Tensorflow, Scikit-learn
Programming Python, MySQL, Html, CSS, Node JS, Firebase, Selenium
E-Commerce Digital Marketing, Amazon, Facebook Business Ads, SEO,
Soft Skills Leadership, Extensive Writing, Documentation, Team work



ACADEMIC PROJECTS

Fyp: Automatic Urdu Telephonic helpline for bus ticket reservation
-Application of Machine Learning, Speech Recognition and Natural Language Processing

Achievements

Student Training and Internship Programme, STIP 29, Minervites
MOS Certified (Word, Powerpoint, Excel)
IBM PYTHON for Data Science Certification
Lead Organizer, Google and Google Cloud Devfests, 2020
Merit Scholarship Holder, FCC, LHR

Community Involvement

Founding member
HACKACM, based on UN SDG Goals; managed finances , collaborations , sponsorships with notable companies like Byco Petroleum and Bentley Solutions

EDO(Eye Donors Organization)

ACM Student Welfare Association
NUST (ASWAN)

Extra Curricular Activities

Office Bearer and President ACM
NUST Student 2021

Sales and Marketing Lead, Google Developers, Cloud, Islamabad

Major League Hacking, MLH 2019, 2020

Organizer, Jazz Civic hackathon organized by Code for Pakistan

Head, Mentorship Series, ACM Nust

FATIMA BINTE HYDER

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Career Objectives

To work in an organization where I can enhance my skills, with passion for challenges and innovation and working with different people and communities. To seek a role where I would best apply my skills with the main purpose of achieving organizational goals.



EDUCATION

2015 SSC Army Public School Humayun Road
2017 HSSC Army Public School Humayun Road
2021 BESE NUST



WORK EXPERIENCE

July 2018 Sept 2018 Frontier Works Organization(FWO)
It was primarily research based and it focused on topics like cyber security, artificial intelligent, cloud computing.



PROFESSIONAL & TECHNICAL SKILLS

Soft skills Communication skills, problem solving, teamwork
Technical skills Python, java, javascript, MySQL
Technical skills Selenium, QA,
Technical skills PHP,CSS,HTML



ACADEMIC PROJECTS

Encryption of text,audio ,videos using AES, Hotel managment system using OOP, E-commerce website,Virtual Chatroom, Search engine, recipe finder using node js, Face Recognition through masks(FYP)

Achievements

Microsoft Office Word (2018)
Microsoft Office Excel(2018)
Microsoft Office PowerPoint (2018)

Community Involvement

Plantation Drive 2019

Extra Curricular Activities

Team Registrations Executive- ExTRA OPAL Conference held at NUST- 2018
Team Industry Executive- HONET'18 at NUST
Team event management executive- Orientation of NUST
Team stage management executive-Convocation 2019

IQRA SHAHID

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Career Objectives

I am a software engineer exploring opportunities to gain experience in different technical fields. I aspire to bring new products and innovations to the tech world.



EDUCATION

2015 Matriculation EMS High School
2017 FSC Punjab College
2021 BESE National University of Science and Technology (CGPA:3.28)



WORK EXPERIENCE

From: June 2018 To: August 2018 FLAIR TRAVEL MANAGEMENT
Worked as a paid graphics engineer intern. Responsibilities included social media management, making advertisement fliers and posters.
From: March 2019 To: May 2019 STUDENT GOVERNMENT ASSOCIATION
Graphics executive involved in making social media posts as well as posters for advertisements.



PROFESSIONAL & TECHNICAL SKILLS

Machine Learning Python(Tensorflow, Pandas),Rasa NLU, SIP Data Visualization, Data Cleaning, Data Manipulation
Web Development HTML, CSS, Bootstrap, Java Script, JQuery, Node JS, Spotify API and W3 schools library
Programming JAVA, C++, PYTHON
Android Development Flutter, Android Studio, Dart, Kotlin



ACADEMIC PROJECTS

Telephonic helpline for Corona Screening
Music Streaming Website allowing user to make customized playlists, search music of their choice.
Search Engine using forward and backward indexing
2D game First-Person Shooter game in JAVA
Virtual Chatroom using concepts of Strings Manipulation, Socket programming and Multi-threading in

Achievements

Microsoft Specialist Certification In MS Word, MS PowerPoint, MS Excel
Secured 35th position in annual ISMO Nation wide
Participated and selected in P&G challenge

Community Involvement

TABA Youth Chapter NUST- Decor Executive
Community Service Project - Organizing Cleanup Drive in Margalla Hills Trail 5
Participated in Bake Sale for Fund Raiser
Participated in Plantation Drive

Extra Curricular Activities

Participated in Telenor Design Thinking Training Workshop
Participated in Technical Writing Workshop
Participated in IEEE She Loves Tech 2020 Workshop I Managing Teams in a Startup
Participated in Google Android Development Workshop

KASHIF KHAN

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Career Objectives

I enjoy being challenged and engaging with projects that require me to work outside my comfort and knowledge set, as continuing to learn new languages and development techniques are important to me and the success of your organization.A Software Engineering undergraduate of NUST interested in Information and Web development.My Aim is to secure a responsible career opportunity to fully utilize,while making a significant contribution to the success of the company.



EDUCATION

2021 BESE NUST MAIN CAMPUS ISLAMABAD
2017 Fsc(Pre-en) F.G SIR SYED BOYS COLLEGE RWP
2015 Matric F.G SIR SYED BOYS SCHOOL RWP



WORK EXPERIENCE

26-11-20 1-3-21 NESCOM
Internship in Web Scraping
3-12-19 30-12-19 FoodWay
Co-Developer of the FoodWay Restaurant Website. Develop the front end of the restaurant website.



PROFESSIONAL & TECHNICAL SKILLS

Soft Skills Communication Skills,Interpersonal Skills,Problem Solving
Soft Skills Teamwork,Work Ethics
Technical Skills Data Structures & algorithms,MERN,QA,WordPress,OOP
Field Python/C++/Java/PHP /MySQL,MongoDB,Socket Prog,



ACADEMIC PROJECTS

FoodWay Website,Green Whale Game(Python),Automatic Sliding Doors(Uppal) Library Management System(Database),Oxygen the Search Engine(DSA), Pick & Drop Application(Requirements Engineering),Virtual Chat(Socket Prog.), Restaurant Website(wordpress),Blogging Website,Budget Calculator(Web dev.)



M Hamza Zahid

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Career Objectives

A Software Engineering Student from NUST with experience in JavaScript/Python, Machine Learning, Data Algorithms, Database Development, and Project Handling interested in Full Stack Development, Data Analysis, QA and DevOps.

→ EDUCATION

2021	BE SE	NUST, Islamabad, CGPA: 3.22
2017	FSc	KIPS College, Multan, Percentage: 90.10%
2015	Matric	ZPS School, Multan, Percentage: 90.81%

→ WORK EXPERIENCE

03/2021	06/2021	Federal Investigation Agency, Islamabad
<ul style="list-style-type: none">• New Features addition to FIA Recruitment Portal.• Development of FIA Staff Management Portal.		
11/2019	01/2021	Food Way, Islamabad
<ul style="list-style-type: none">• Worked on real-time ordering website with a team.		

→ PROFESSIONAL & TECHNICAL SKILLS

Communication	JavaScript ES6/Python
Interpersonal	MERN/MEAN, REST API, Web Socket, Redux
Team Management	Data Structure and Algorithms, OOP, Selenium
Time Management	SQL, MongoDB and Firebase

→ ACADEMIC PROJECTS

- Telephonic Solution for Farmers (FYP): IVR system for Farmers.
- The Search Engine (DSA): Search Engine like Google.
- Obstacle Dodging Game (OOP): A side-scroller 2D game.
- COVID-19 Tracker (React): Display global and local COVID-19 cases.
- Resturant Ordering Website (MEAN): Real time ordering using web socket.

Achievements

- JavaScript OOP Certified (Udemy).
- Angular 7+ Certified (Udemy).
- React 16+ Certified (Udemy).
- Node Js Certified (Udemy).
- DevOps (Coursera).
- MEAN Certified (Udemy).
- Huawei AI Certified (Huawei).
- Python For Data Science (IBM).

Community Involvement

- Former Web Developer at NSF Society.
- Former Web Developer at IEEE Society.

Extra Curricular Activities

- Cricket.
- Badminton.
- Hackathon Participation 2019.
- SEECS OPEN HOUSE 2019.



Muhammad Ahmad Naeem

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Career Objectives

To work in a friendly environment where I am able to learn, grow and use my skills to help society by using the fields of Computer Vision and Artificial Intelligence.

→ EDUCATION

2021	BESE	SEECS NUST,Islamabad
2017	FSc	Punjab Group of Colleges, Lahore
2015	Matric	Adabistan-e-Soophia High School, Lahore

→ WORK EXPERIENCE

July 2020	Dec 2020	The Marketeers
I was hired as a Graphic Designer to create aesthetic designs for the marketing agency.		
Jan 2019	July 2020	Fiver
I did freelance work related to UI/UX designs.		

→ PROFESSIONAL & TECHNICAL SKILLS

Data Science	Python, MatLab, Image Processing, Data Visualization
Web Development	HTML, CSS, JavaScript, p5.js, Node.js
Game Dev	Unity, Blender
UI/UX	Figma, Adobe Indesign

→ ACADEMIC PROJECTS

- Voxel: A web interface for viewing and interacting with 3D Models in browser.
- COVID Trend: A trend predictor for COVID 19 using tensorflow and python.
- FilesDownload Manager: A download manger built using Socket programming.
- Cric-o-Gen: An AI based commentary generator for cricket.

Achievements

- Microsoft Office Specialist (2018-2019)

Community Involvement

- Intern at Akhuwat Foundation

Extra Curricular Activities

- Director Graphics FICS'21
- Deputy Dir Graphics FICS'20
- Director Graphics NUST Developers Club



Muneeb Aijaz

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Career Objectives
Seeking opportunities to pursue professional career in Software Engineering or Graphic Design in the sub-fields of Machine Learning, Data Science, Social/Print Media Content Designer or back end Django web developer.

→ EDUCATION

17-21 BESE NUST Islamabad

→ WORK EXPERIENCE

6-2019 8-2019 Minerva

Social Media content creation including designs and content calendar for better outreach

2019 Current Finyki

Proper completion of freelancing projects, of different clients, assigned by the agency.

→ PROFESSIONAL & TECHNICAL SKILLS

Machine Learning Python, Keras, Tensorflow,
Graphic Design Illustrator, Photoshop, Indesign, XD, Lightroom
Data Science MySQL, PostgreSQL, pysqlite, Pandas, matlabplt, seaborn
Web Development Django, Python

→ ACADEMIC PROJECTS

- Brand Coverage in TV Streams : Analysis of downloaded video stream using Object detection and other Deep Learning techniques to identify the brand Ads and display their total air time on the Django based web interface
- Coronavirus Prediction : Predicts the time series trend of coronavirus trend using Machine Learning and Data Science

Achievements

- Machine Learning with TensorFlow on Google Cloud Platform
- Specialization by Google Cloud on Coursera
- Custom Models, Layers, and Loss Functions with TensorFlow
- Course by DeepLearning.AI
- 5-Day Training on Object Detection & Recognition by NCAI

Community Involvement

- Part of Google Developers Group Islamabad
- Community Member of Creative Mornings

Extra Curricular Activities

- Vice President Media of FICS'21 (Finding Innovative and Creative Solutions for Society)
- Volunteer at ND2C (National Digital Design Conference)



Rabeya Noor

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Career Objectives
My aim is to work in such a way which can enable me to learn and refine different computing skills and develop as a good software Engineer. I want to give back to society what I received, and more, by working in the Software Development field. Thereby, effectively using all my knowledge and skills.

→ EDUCATION

2021 BESE National University of Sciences and Technology
2017 A'Level Cambridge GCE
2015 O'Level Cambridge GCE

→ WORK EXPERIENCE

June 2019 September 2019 DAAD Internship and Google CodeU Program

Worked on Water Resource Estimation by Satellite based Image Analysis Project in RheinMain University, Germany.
Developed a QGIS Plugin to automate annotation by using machine learning. Developed and deployed a Web App using App Engine in Google CodeU program

June 2019 September 2019 TUKL - NUST

Learned and applied Machine Learning and Deep learning on lab project.

→ PROFESSIONAL & TECHNICAL SKILLS

Machine Learning/Deep Learning Python, Data Cleaning and Visualisation, PyTorch, Keras, Tensorflow, Digital Image Processing
Web and Mobile Development HTML, CSS, JavaScript, Node.js, Express.js, Flutter
Distributed Computing Docker, Jenkins, Kubernetes
Other Programming Languages Java, C++/C, PHP

→ ACADEMIC PROJECTS

1. Facial Recognition through masks for surveillance
2. Prediction of Spread of COVID-19 in Pakistan
3. Artificial Intelligence driven Chatbots using Dialog Flow
4. Water Resource Estimation by Satellite based Image Analysis QGIS Plugin
5. Easy Stocks: Stocks prediction web application deployed with Kubernetes
6. KnowIdemort: An online Learning Management System
7. Used Node.js and Express.js to develop a web page using forkify API

Achievements

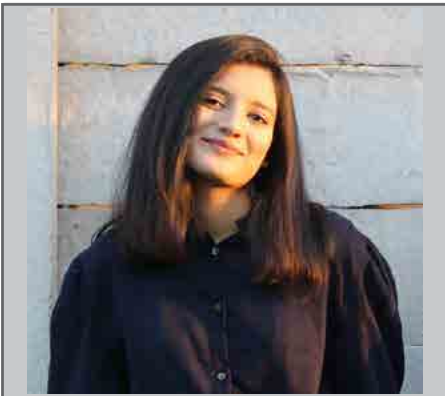
PUBLICATION: Muhammad Ali Shahzad, Rabeya Noor, Faisal Shafait, "Feature Engineering meets Deep Learning: A Case Study with Table Detection", Submitted to DICTA 2019

Community Involvement

- Participated in bake sale for fund raising
- Planted plants for environment in a group

Extra Curricular Activities

- Participated in the 14th IAPR International Conference on Document Analysis and Recognition (ICDAR) held in Kyoto, Japan in Nov 2017.
- Visit to Germany for Forest Monitoring & Change Detection project in December 2018.
- Virtual participation in Google CodeU Meetup held in Singapore, August 2019.
- Participated in International Symposium on Artificial Intelligence and Machine



Radia Zubair

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Career Objectives
Software engineering student from National University of Sciences and Technology looking for opportunities in the field of data science and data engineering.

→ EDUCATION

2021 Bachelors NUST, Islamabad (CGPA 3.43/4)
2016 Intermediate Punjab Group of Colleges (89%)
2014 Matriculation Asaas National School, Gujranwala Cantonement (92%)

→ WORK EXPERIENCE

07/2018 09/2018 Akhuwat Foundation
Community service and group building tasks involving leadership and team work practices

06/2019 08/2019 Skimcode
Technical internship involving workshops and training programs on basic debugging, data warehousing and agile project management

→ PROFESSIONAL & TECHNICAL SKILLS

Machine Learning Python / Keras / TensorFlow / Pytorch / OpenCV
Data Warehousing SQL / PowerBI
Web Development HTML / CSS / JavaScript / JQuery
Coding Languages Python / C++ / Java

→ ACADEMIC PROJECTS

1.Final Year Project- Brand coverage in Tv Streams
2.Machine Learning Project- COVID-19 Spread Predictor
3.Image Processing Project- Driver Drowsiness Detection in Realtime
4.Data Structrues Project- Development of a search Engine

Achievements

- Microsoft Office 2016 Specialist
- Python 101 for Data Science by IBM
- Data Analysis using Python by IBM
- Introduction to Teradata Database by Teradata

Community Involvement

Involvement with TAABA- Nust Youth Chapter spending 30 hours of commnity work with SOS village children

Extra Curricular Activities

- Sports Secretary (Student Coucil SEECS)
- Captain SEECS Table Tennis Team
- Captain SEECS Cricket Team
- Member SEECS Basketball Team
- Team lead Honet Conference 2019



Mohammad Saad Raza

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Career Objectives
Web Techologies with Cloud Infrastructure
FinTech and Digital Assest Investments
Blockchain and Deventralized Networks

→ EDUCATION

2017 Pre-Eng F.G Sir Syed College, The Mall, Rawalpindi, Pakistan
2021 BE - SE National University of Sciences & Technology, Pakistan

→ WORK EXPERIENCE

2020 Present Upwork - Web Developer
Working with Node & React along with Cloud Solutions like MongoDB Atlas, Google Firebase, Heroku

Jun 2019 Dec 2019 TUKL - NUST Research and Development Center
Worked on Document Image Analysis using Image Processing Techniques, CNNs, RNNs, and GCP Vision API

→ PROFESSIONAL & TECHNICAL SKILLS

Technical Python Automation Scripting
Technical Data Science Models in Tensorflow, Keras APIs
Technical JavaScript & TypeScript with Node, React
Soft Skill Communication and Laguage Proficiency

→ ACADEMIC PROJECTS

LYNX Corenet
An Optical Network Planning Tool built around the Open Networks Initiative by Telecom Infa Project (TIP) using their GNPY Library as the Core Compute Engine

Achievements

Write Honors and Achivements Here

Community Involvement

Honors, Awards or any other Worth Mentioning Achievements

Extra Curricular Activities

Github Open Source Contributions
Human Resorces at OpenHouse'19
Social Media at NUST ACM Chapter



Sami Mansoor Alavi

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Career Objectives

- Work for an organization which provides me the opportunity to improve my skills and knowledge and utilize them efficiently for organizational growth

- Secure a responsible career opportunity to fully utilize my training and skills, while making a significant contribution to the success of the company

→ EDUCATION

2021 BESE National University of Sciences and Technology (NUST)

2017 SSC Punjab College of Science

2015 HSSC EMS High School

→ WORK EXPERIENCE

Jun 2019 Jun 2019 Research and Development Intern, KTH-AIS Lab, NUST

Research and Development Intern, KTH-AIS Lab, NUST

Jan 2019 May 2019 Software Developer, Vyro.ai

Development of Faceany, a beauty application with which one can change the color of his eyes and hair using Deep Learning

→ PROFESSIONAL & TECHNICAL SKILLS

Python Front-End Dev

Data Science Angular 11

Web Scraping Android Dev

MOS Excel 2016 Java

→ ACADEMIC PROJECTS

- LYNX: Network Simulator (Nov 2020) (Using Angular 11, Node.js, Python)

- Webscraper Meesho (Dec 2020) (Using Python, Selenium)

- Audio Visualizer (Sep 2020) (Using Angular 10, Typescript)

- Music Album Art Setter (Jan 2020 - Mar 2020) (Using Python, Tkinter)

- Spotify Website Rework (Sep 2019 - Dec 2019) (Using Spotify API, JQuery)

Achievements

- STAR FIRST LEGO® League: Senior Solutions (2013)
- Microsoft Office Excel 2016 (2018)
- Microsoft Office Word 2016 (2018)
- Microsoft Office Powerpoint 2013 (2018)

Community Involvement

- Intern - WWF (Jul 2018 - Aug 2018)

Development of an application which detects when the waste container is nearly full using sensors and Arduino

Extra Curricular Activities

- Cricket
- Football
- Draughts
- Chess
- Table Tennis
- Volleyball
- Gaming



NOOR NAQVI

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Career Objectives

To be a member of a sound corporation and work with teams where I can effectively contribute my skills and potential as a software engineer, thus assisting the organization in achieving its goals and seeking a long-term career for myself.

→ EDUCATION

2021 Bachelors in SEECS, NUST

2017 FSc Fauji Foundation College

2015 Matriculation Fauji Foundation College

→ WORK EXPERIENCE

1-10-2019 Till date SEECS,NUST

Internship under Dr. Seema Jehan. Design and creation of visual and activity-based learning programs. Research and survey based on students at various schools as well as the teachers.

1-7-2018 1-9-2018 WWF

Design and Development of Eco-Friendly Garbage Disposal project

Attending workshop based on Community Service and Working in an Organization

→ PROFESSIONAL & TECHNICAL SKILLS

Software Developme Proteus, UPPAAL, ArduinoIDE, NetBeans,

PythonIDLE, EclipseIDE, VirtualBox, Visual Studio, MySQL

Machine Learning Pytorch, Keras, OpenCV, Tensorflow

Soft Skills Good Communion Skills, Documentation skills

→ ACADEMIC PROJECTS

FYP

Masked Face Recognition Software- Using Deep Learning

OTHER SE PROJECTS

PHP E-Commerce Resale Website (HTML and PHP)

Search Engine (searches a static dump of Wikipedia)

SQL based Blood Donation desktop application

Achievements

Microsoft Office Specialist 2016

Microsoft Powerpoint Specialist 2016

Microsoft Excel Specialist 2016

Community Involvement

Plant drive as a part of the Eco-Internship done with WWF.

Garbage Collection drive- collecting garbage on Islamabad's Trails as a part of community service project.

Extra Curricular Activities

Event Management:

Team Registrations Executive- ExTRA OPAL Conference held at NUST- 2018

Team Registrations Executive- SEECS Convocation- 2019

Public Speaking:

Winner of Annual Debating Competition 2010 at Fauji Foundation College for Girls New Lalazar, Rawalpindi. 2010-2011



Shaheryar Ehsan I Haque

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Career Objectives

Content Strategist | Researcher | IT Administrator



EDUCATION

2021 BESE SEECS, NUST
2017 FSc. APS Westridge
2015 Matric APS Westridge



WORK EXPERIENCE

Sep '20 Feb '21 Content Team Lead - TechJuice Pakistan
Was responsible for managing a team of 6 members which included reporters, graphics designers, video editors and sales. Singlehandedly migrated the entire website to a modern and sleek design as per CEO vision.
June '18 Sep '19 Research Intern - NUST
Research Intern of KTH Lab, IAEC, SEECS, NUST. Responsible for research on Digital Forensics, Augmented Reality, Machine Learning, and Wearables. Created and managed funding proposals for Ignite.



PROFESSIONAL & TECHNICAL SKILLS

Data Analysis Google Colab, Pandas, Numpy, Tensorflow, Scikit-learn
Software Developer Python, Java, C++, C#, HTML, CSS, Javascript
Project Managemen SEO, Google Analytics, Trello, Google Meet, Google Docs
Soft Skills Leadership qualities, Public Speaking, Self-motivated



ACADEMIC PROJECTS

Tarjumaan - Automatic captioning of Urdu videos
Search Engine using Python

Achievements

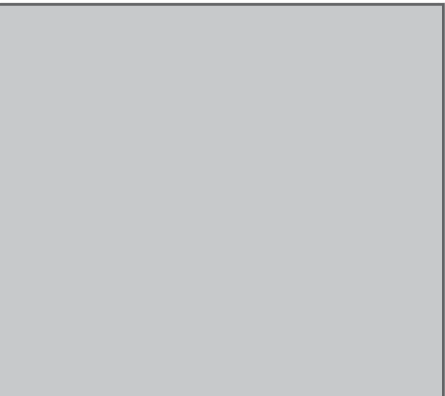
Microsoft Student Partners 2019-20
S. E. I. Haque and S. Saleem,
"Augmented reality based criminal investigation system (ARCRIME)," 2020 8th International Symposium on Digital Forensics and Security (ISDFS), Beirut, Lebanon.

Community Involvement

President SG/NSF
President NUST Cyber Security Club
Event Head, ExTRA-OPAL 2019
Director (External Logistics), HONET ICT 2018

Extra Curricular Activities

President SG/NSF
President NUST Cyber Security Club
Event Head, ExTRA-OPAL 2019
Director (External Logistics), HONET ICT 2018



Taha Abdullah

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Career Objectives

Software Engineering at NUST. Looking to gain valuable industry experience and employment opportunities in a hands on role in software engineering, machine learning, cloud computing, and embedded systems.



EDUCATION

2021 BE Software National University of Sciences and Technology
2017 A Level Islamabad College of Arts and Sciences



WORK EXPERIENCE

Jul 2020 Oct 2020 N-ovative Health Technologies Pvt. Ltd.
Android and Embedded Systems Intern
R&D team member working on NSavior Ventilator System.
Jun 2019 Sep 2019 Global Systems and Mobile Communication Lab, SEECS
Worked on a smart suit that monitors vital signs using sensors and an ESP32 microprocessor and then relays the data to an Android app via Bluetooth Low Energy (BLE).



PROFESSIONAL & TECHNICAL SKILLS

ML Machine Learning/Data Science
Development Mobile Development
IoT Embedded Systems and IoT
Cloud Cloud Development



ACADEMIC PROJECTS

- FYP: Automated Survey of Land for Reforestation Potential using Computer Vision
- Implementation of Search Engine using PageRank Algorithm
- Blood Donation portal to connect people requiring blood with willing donors in their area

Achievements

Principal's Scholarship Recipient - A Levels
Gold Medal - O Levels

Community Involvement

Organization Committee Member - Convocation, SEECS-NUST
Organization Committee Member - Extra-OPAL Conference, SEECS-NUST
Event Administration Executive - TABA Youth Chapter NUST
Volunteer - Akhuwat

Extra Curricular Activities

Basketball Team - A Levels
Parliamentary Debates Team - A Levels
Team Member - NUST Formula Student Team
Team Member - Markhor (NUST BAJA SAE Team)



FULL NAME Talha Ikram

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Career Objectives
Software Engineer from NUST trying to enhance my technical skillset as a Data Analyst by gaining the experience of working in a professional organization.

Aspiring Data Analyst, Data Scientist

Achievements

Applied Data Science with Python by IBM
Data Visualization with Python by IBM
Data Analysis with Python by IBM
Microsoft Office Specialist 2016
Microsoft PowerPoint Specialist 2013
Microsoft Excel Specialist 2016

Community Involvement

Publications Director – TYC NUST (2019) (Community service org)

Extra Curricular Activities

SEecs Open House '19
HONET '19
Table Tennis
E-Gaming

EDUCATION

2021 BESE SEECS, NUST
2017 FsC APSACS
2015 Matric APSACS

WORK EXPERIENCE

22/06/20 02/08/20 ICI Pakistan Ltd.
Worked as a Data Analyst Intern on a project based on predictive analysis of credit default using machine learning techniques in python
01/10/20 31/01/21 TechJuice.pk
Part-time content writer at TechJuice.pk responsible for covering technology related news as well as using WordPress to post content online

PROFESSIONAL & TECHNICAL SKILLS

Data Analysis Python, SQL, Numpy, Pandas, PowerBI, Seaborn, Talend
Software Development Python, C++, MySQL, JavaScript, PHP, SQLite
Machine Learning Tensorflow, PyTorch, Sklearn, OpenCV
Soft Skills Excellent communication skills, Documentation skills, Self Learning

ACADEMIC PROJECTS

FYP: COVID-19 SOP Violation Detection from CCTV Footage
Other: COVID-19 Spread Predictor for Pakistan using Python and Machine Learning
Transport Portal Website using HTML, CSS, PHP, APACHE
Server/Client Chat Application using basic networking in python
Prototype Search Engine using python on static webpages



Tehreem Farooqi

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LinkedIn profile https://www.linkedin.com/in/tehreemfarooqi/

Career Objectives
Data Science and Machine Learning enthusiast looking for opportunities to polish skills in order to solve real world problems with the AI magic.

Machine Learning Developer, Data Scientist, Software Engineer

Achievements

Research Publication in ICAI 2021 - A comparison of speech recognition systems on transcription of Urdu audios
Project - IoT enabled smart wastebins
Project - COVID 19 spread predictor in Pakistan

Community Involvement

Part of Student Talent Farming Scheme (National Science Foundation)
Led seminar Organizing Committee on Digital skills

Extra Curricular Activities

Director Graphics NUST Cyber Security Club
Director Graphics NUST Archery Club
Director Graphics FICS '21
SEecs Open House 2019

EDUCATION

2015 Matric IMCG f-8/1 Isb.
2017 FSc. IMCG f-8/1 Isb.
2021 BESE SEECS, NUST

WORK EXPERIENCE

June '18 Aug '18 PTCL - IT Intern
Gained insight regarding corporate workflows, learned different development techniques being followed in the IT dept.
Oct '19 March 20 TechJuice - News Analyst
Wrote and edited news articles about technology world.

PROFESSIONAL & TECHNICAL SKILLS

Machine Learning Numpy
Python Pandas
TensorFlow Data Science
PyTorch Scikit Learn

ACADEMIC PROJECTS

Tarjumaan - Automatic captioning of Urdu videos
Search Engine using Python



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