NUST School of Electrical Engineering & Computer Science

Graduate Booklet

BSCS

Bachelor of Science in Computer Science

CLASS OF 2021

www.seecs.nust.edu.pk

Department of

Computing

بسم الله الرحمن الرحيم

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

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NUST - SEECS

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

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

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 courier, academics pursuits, and life in general.

Faculty

The department is proud to have at its service a core of highly qualifies 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 actie 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 Departing 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 in statue 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 mean established which play a vital role in training and development of students. These include computing Lab 1(Shirazi Lab), Computing Lab 2 (Frabi 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-Poliecnico 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 - Universty of Paris France
Dr. Muhammad Moazzam Fraz (HoD IT) PhD - Kingston Universty of London, UK	**Dr. Yasir Faheem** PhD - University of Bari, Italy
Dr. Safdar Abbas Khan PhD - Universite 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 - Universty of Paris, France	**Dr. Tahira Anwar Lashari** PhD - Universiti Tun Hussein Onn, Malaysia
Mr. Jaudat Mamoon MSc - Federal Universty of Tecnology, 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 Techlongey 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 Universty, 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

Computer Science (BS CS)

Program Description

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

Unique Features

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

Important Courses

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

Career Outcomes

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

BSCS-Curriculum

S. No.	Course Code	Subjects	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	HU109	Communication Skills	2	0	
5	MATH111	Calculus-I	3	0	
6	MATH161	Discrete Mathemetics	3	0	
Total CHs			**15**	**2**	**17**
1.	CS212	Object Oriented Programming	3	1	2nd
2.	EE221	Digital Logic Design	3	1	
3.	HU107	Pakistan Studies	2	0	
4.	MATH112	Calculus-II	3	0	
5.	PHY101	Applied Physics	3	1	
6.	XX-xxx	University Electives-I	2+X	X	
		Total CHs	16+X	3+X	19+X
1	CS220	Data Base Systems	3	1	3rd
2	CS235	Computer Orgainsation and Assemly Language	3	1	
3	CS250	Data Sturucture and Algorithms	3	1	
4	HU212	Technical and Business Writing	2	0	
5	MATH222	Linear Algebra	3	0	
Total CHs			**14**	**3**	**17**
1.	CS251	Design and Analysis of Algorithms	3	0	4th
2.	CS260	Human Computer Interactions	3	0	
3.	EE321	Computer Architecture and Organisation	3	1	
4.	MATH361	Probability and Statistics	3	0	
5.	XX-xxx	CS Elective-I	3	X	
		Total CHs	**15**	**1+X**	**16+X**
1	CS330	Operating Sytems	3	1	5th
2	SE200	Software Engineering	3	0	
3	EE353	Computer Networks	3	1	
4	CS370	Artifical Intelliegence	3	1	
5	XX-xxx	CS Elective-II	3	X	
Total CHs			15	3+X	18+X

1.	CS352	Theory of Automata and Formal Languages	3	0	6th
2.	HU222	Professional Ethics	2	0	
3.	MATH333	Numerical Analysis	3	1	
4.	XX-xxx	CS-Elective-III	3	X	
5.	XX-xxx	University-Elective-II	3	0	
6.	XX-xxx	University-Elective-III	3	0	
		Total CHs	17	1+X	18+X

1.	CS354	Compiler Construction	3	1	7th
2.	CS499	Senior Project	0	3	
3.	MGT271	Entrepreneurship	2	0	
4.	XX-xxx	CS Elective – IV	3	X	
5.	XX-xxx	University Elective -IV	2+X	X	
		Total CHs	10+X	4+X	14X
1.	XX-xxx	University Elective-V	3	0	8th
2.	XX-xxx	CS Elective-V	3	X	
3.	XX-xxx	CS Elective-VI***	3	X	
4.	CSL401	Community Service	1****	1****	
	CS499	Senior Project	0	3	
		Total CHs	9	3+X	12+X

Overall CHs	111+X	20+X	131+X
Grand Total (Credit Hours)	133+X		

BSCS

Student Resumes

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Abdullah Qureshi

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Career Objectives

Use my knowledge, skill and experience to understand problems in community as an opportunity, look for their solutions or create alternatives which makes life of people more comfortable

EDUCATION

15	Matric	Fazaia Model Inter College
17	FSc. Eng.	Punjab College
21	BSCS	Nust

WORK EXPERIENCE

06-2019 07-2019 Creaynx Solution

Front-end Web Developer

02-2021 Ongoing Xypher Tech

Flutter Application Developer

PROFESSIONAL & TECHNICAL SKILLS

App Development	Currently working in Flutter and Dart
Web Development	HTML, CSS, JavaScript, PHP, MySql
Programming	C, Python, Debugging, Usability
Soft Skills	Encouragement, Leadership, Creative Thinking, Marketing

ACADEMIC PROJECTS

E-Qari: Voice recognition, translation and words correction in Arabic language for Quranic Recitation (FYP)
Attendance System using Face Recogition
Flash Chat: A mobile application for sending messages
Mini IMDB: A mobile application for viewing description of movies and tv-series

Achievements

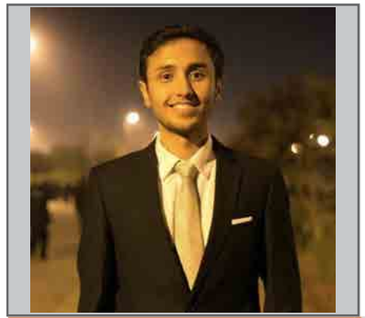
- Complete Web Developer Course(Udemy)
- Flutter Development Bootcamp with Dart (Udemy)
- Microsoft office Certfication
- Participated as Research Assistant in Honet Conference

Community Involvement

Participates in:
- Blood Donation Drive twice a year
- Clothes donation Drive
- Tree Plantation Drive
- Clean Green Pakistan

Extra Curricular Activities

- Horse Riding
- Ping-Pong
- Hiking
- Video Games
- Travelling
- Ten Pin bowling



Ali Ather

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LinkedIn profile linkedin.com/in/ali-ather/

Career Objectives

I am a dedicated person always in pursuit of new things to learn. With my strong academic and extracurricular profile, I hope to achieve great things for my organisation. I have a keen interest in Data Science and DevOps and also have experience in both these fields. I would definitely grasp any opportunity that will serve as a stepping stone to achieve my goals.
Portfolio: http://aliather.me

EDUCATION

2021	BSCS	National University of Sciences and Technology
2017	A-Levels	Bahria College
2015	O-Levels	Bahria College

WORK EXPERIENCE

09/20 To 10/20 Xgrid.co

Devops Intern/ Solution Engineering Team: Shifted the in-house services of Xgrid to AWS, setting up a Hybrid architecture, Upgrading the in-house services (Gerrit, Jenkins and Kubernetes)

07/19 To 09/19 Zong CMKPak Ltd

DATA SCIENCE INTERN Analysis of customer data and client queries Interaction with databases, Interaction with databases, Predicting churn in data science department

PROFESSIONAL & TECHNICAL SKILLS

Technical	Big Data/ Tableau/ Data Analytics
Technical	Node/ React/ MERN
Technical	Python/ Java/ C++
Soft	Leadership/ Team Player/ Fast Learner

ACADEMIC PROJECTS

- Rouloc (FYP - Ongoing) : ML based Photo Editing App Python I Keras
The application trains itself on user's editing preferences for pictures of different context to suggest future edits
- AI based Face Mask Detector : Detects whether a person in an image is wearing a mask or not, and whether the photo is of a human or not

Achievements

- Tableau Desktop Specialist Tableau Desktop Specialist Exam, July 2020

- Ultimate AWS certified Cloud Practitioner

- The complete node.js developer course, Udemy, June 2020

Community Involvement

- Community Service Intern at WWF

- Tree Plantation NUST BioReach Society

- Visit to Special Children School

Extra Curricular Activities

- Joint Secretary Sports NUST Student Government Association

- Director of Sports Subsidiary NUST Student Government Association

Ali Chishti

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LinkedIn profile linkedin.com/in/ali-chishti

Career Objectives

I am a devoted person always in search of new things to learn. I believe that I can increase the value of an organisation using my skillset and adapt to the environment very quickly. Any experience that improves me as a person and as a computer scientist is an opportunity I do not want to miss.

EDUCATION

2021	BSCS	National University of Sciences and Technology
2017	A-Levels	Jinnah Highs School System
2015	O-Levels	Jinnah Highs School System

WORK EXPERIENCE

07/20 To 08/20 Fatima Group

IT Intern: Part of Governance and Security Team, Software Quality Assurance: used Selenium, TestNG and Sikuli, Project Management (PMO)

06/19 To 08/19 Blue Cascade

Research Intern: Helped launching a startup: Trip Before, Published more than 10 articles on Trip, Part of Website Evaluation Team

PROFESSIONAL & TECHNICAL SKILLS

Technical	Python/ Java/ C++
Technical	Node/ React/ MERN
Technical	SQA: Selenium, Sikuli, TestNG
Soft	Creative/ Fast Learner/ Devoted

ACADEMIC PROJECTS

- Rouloc (FYP - Ongoing) : ML based Photo Editing App Python I Keras
The application trains itself on user's editing preferences for pictures of different context to suggest future edits
- AI based Face Mask Detector : Detects whether a person in an image is wearing a mask or not, and whether the photo is of a human or not

Achievements

- Tableau Desktop Specialist
Tableau Desktop Specialist Exam, July 2020

- The complete node.js developer course, Udemy, June 2020

Community Involvement

- Volunteer at the Inaugural Ceremony
Pakistan Autism Health Sciences and Research Foundation

- Cleaned Railway Track
HELP organisation

- Planted Trees
NUST BioReach Society

Extra Curricular Activities

- Director Publications
SGA Society

- Exceutive Publications
NUST Adventure Club

Ahmad Bilal

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Career Objectives

A highly productive and enthusistic computer scientist with more than 2 years of industrial experience in the freelance market. Aim at building world-class applications and complex tools for website and product functionality, to execute basic system and network protocols, as well as develop effective small level projects, administration, and support others on more complex matters.

EDUCATION

2013	Matric	Blumen Garten School
2015	Intermediat	Punjab Group of Colleges
2017	BSCS	National Institute of Science and Technology

WORK EXPERIENCE

22-09-20 04-01-21 DGTL Services

Senior Content Manager

10-06-19 30-06-19 Akhuwat Foundation

Community Services Based Internship

PROFESSIONAL & TECHNICAL SKILLS

****	Flutter App Dev
*****	Decision Making, Team Leading
***	Web Dev and Responsivness
****	Team Player Attitude

ACADEMIC PROJECTS

-BrickBreaker 2D game using C++ and Graphics Libraries
-Street Fighter Multiplayer 2D graphics based game using JavaFX
-Status Management App using React Native
-HamRaahi (FYP), Flutter based application for intercity travel based on Pakistan's surroundings.

Achievements

-Microsoft Office Certification
-Skillshare - Learn Figma- User Interface Design Essentials - UI-UX Design
-Udemy-The Complete 2020 Flutter Development Bootcamp with Dart

Community Involvement

-Internship at Akhuwat Foundation incoroporating various tasks and services for the needy.
-Supplied Clothes and Donations multiple times for orphanage homes and rural areas as semester projects.
-Donate blood once or twice a year regularly.
-Been part of multiple cleaning drives accross the city.

Extra Curricular Activities

-Body Building and physical Fitness
-Travelling and Hitch Hiking
-E-Gaming
-Swimming
-Horse Riding
-Ten Pin Bowling
-Meditation

Abdul Basit Ibrahim

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LinkedIn profile linkedin.com/in/abdul-basit-ibrahim-34a64014b/

Career Objectives

Short Term Career Objective is to be a good web developer and mobil application develpor
Long Term objective is to be a CSS officer.

EDUCATION

2021	BSCS	National University of Sciences and Technology, Islamabad
2016	FSc	PSCCB Mansehra.
2014	Matric	PSCCB Mansehra.

WORK EXPERIENCE

Nov 2020 June 2021 FYP Project

Developing a robotic to be controlled by hand gestures using Arduino.

Nov 2020 April 2020 Website Development

Developed Website of a Hotel in WordPress

PROFESSIONAL & TECHNICAL SKILLS

C/C++/Java	HTML/CSS/Javascript/Jquery
Database Systems	React/React-Native
Github	Wordpress Development
Flutter	

ACADEMIC PROJECTS

Final Year Project: Controlling car via Hand Gestures Using Arduino
Other End Semester Projects includes from basic C programs to build calculator to Simpl Game in Java and React-Native Simple Apps.

Achievements

Topper in F.Sc (BISE Abbottabad)

Community Involvement

N/A

Extra Curricular Activities

Basket Ball
Football
Cricket
Online Multiplayer Games Expert.

ALI AHMAD KHAN

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LinkedIn profile https://www.linkedin.com/in/ali-ahmad-khan-9530a1145/

Career Objectives

Aspiring Computer Scientist with an interest in Data Engineering and Machine Learning. Have completed various specializations and Posses experience in creating data pipelines and building Neural Networks.
Aiming for entry level job in the respective domain to kickstart my career

EDUCATION

2021	BS CS	National University of Sciences and Technology
2017	CIE A-Level	Lahore Grammar School Senior Boys Johar Town
2015	CIE O-Level	Lahore Grammar School Senior Boys Johar Town

WORK EXPERIENCE

Nov 2020 Jan 2021 NLP Intern at CenTech Department, NESCOM, Islamabad

Implemented a system to track twitter trends and provide sentiment analysis.
Wrote custom crawlers to accumulate news insights from multiple websites

PROFESSIONAL & TECHNICAL SKILLS

IT	Python, Java
IT	SQL/NoSQL
IT	HTML, PHP, CSS
IT	Keras, TensorFlow

ACADEMIC PROJECTS

Animal detector, a multi-layered neural network software (python)
Trigger Word Detection, based on GRU architecture (python)
Art Generation with Neural Style Transfer implemented with VGG- 19 (python)
Face Recognition system programmed based on Facenet paper
An arcade game having features of games like space invaders using OOP
Resource Management Software for linux operating system (C)

Achievements

Received 100% merit based scholarship in Lahore Grammar School from 2015 - 2017

Received 25% merit based scholarship in Lahore Grammar School from 2012 - 2015

Community Involvement

2 week of volunteer work in Pakistan Sweet Homes (a government run orphanage), Lahore

2 weeks of volunteer work in Shaukat Khanum Memorial Cancer Hospital, Lahore

2 weeks of volunteer work in Fatima Memorial Hospital, Lahore

10 days of volunteer work done in Mayo Hospital, Lahore

Extra Curricular Activities

Winner of International Space Settlement Design Competition 2016 at Kentucky Space Centre Orlando, America
Director at NUST Science Society (NSS), managing a team of 10+ executives
Event Head in SciBee' 17 and ' 18, a national event held at NUST with 500+ participants
Event Head in Innoventions' 16 held at Lahore Grammar School with 300+ participants

IBTISAM ARIF

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Career Objectives

EDUCATION

Bachelors of Science in Computer Science, NUST— Islamabad
Sep 2017 - June 2021(expected)
Major Subjects:
Web Development 1 and 2, Artificial Intelligence, Mobile Application Development, Advanced Programming, Software Engineering, Image Processing.

Achievements

WORK EXPERIENCE

Content Arcade, MERN Stack Internee — Faisalabad.
August 2020 - October 2020
Designed the UI and REST-API for a POS system

Community Involvement

Education Ambassador at HOB, Burewala
Oct 2018- PRESENT
Guiding the new students from my city to explore and avail the best opportunities for their undergraduate programs

PROFESSIONAL & TECHNICAL SKILLS

Extra Curricular Activities

Strategic Planning
Collaboration
Leadership
Decision Making
Working under pressure

Javascript
HTML
CSS
SASS
ReactJS
NodeJS
GraphlQL

Java
Python
ExpressJS
C++
Redux
JQuery
Material UI
Bootstrap

ACADEMIC PROJECTS

Novus — Final Year Project.
➔ Working on developing a web application that will generate a diagnostic report of X-ray images with its deep learning and LSTM model.
➔ The frontend is based on ReactJS with Django Backend.
Parhado— A classified student-teacher web platform
➔ Developed a full-stack classified web platform using HTML, CSS, Bootstrap, and PHP.
Dumb Charades— An online browser game.
➔ Created an online game with WebRTC and socket.io with video chat support between the players.

Muhammad Abdullah

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Career Objectives

Full-Stack Data Scientist and ML expert(shot-term).
CSS officer(long term).

EDUCATION

2021	BSCS	SEECS, NUST
2017	F.Sc	ABICS, Sargodha
2015	Matric	FAZMIC, Sargodha

Achievements

-My own developed app(Urdu Awaz-Urdu Audio books), deployed on google play store is what I consider my biggest achievemnent so far. Here is the link: https://play.google.com/store/apps/details?id=com.urduawaz

-Won Google's Quick Labs challenge.

WORK EXPERIENCE

2021 Present ThinkSoft Technologies

Working as full stack cross platoform mobile application developer. Building front-end in React-Native(GraphQL, Redux hooks) and backend on AWS (Amplify). Deploying ML models in AWS Cloud and using results on front-end.

2020 Present GrabX Technologies

Working as fron-end developer. Developing mobile apps in React-Native. Working with both REST and GraphQL APIs. Working with AWS cloud making real-time applications.

Community Involvement

Worked in three community service projects by Chadar.
1-Project Street School
2-Project Hope
3-Project Clothes for poor.

PROFESSIONAL & TECHNICAL SKILLS

Front-End	React-Native, Redux Hooks,
Back-End	AWS Amplify, Firebase, Node.js
APIs	GraphQL, REST
Collaborations	Github, Trello

Extra Curricular Activities

Love to Read, Write, Listen, Watch and Talk on Geopolitics, International Relations and Pakistan (in general).

I never miss a chance to play Basketball

ACADEMIC PROJECTS

Built social media platform in React-Native with back-end in Firebase.
Built shopping website in MERN stack.
Built mobile app for university Entrepreneurship project(Khappa) backend in Firebase.
Building ML based Quranic assistant app that will help correcting recitations.

A SAROSH

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Career Objectives

Self-motivated and passionate UI/UX Designer and Front-end Web Developer, having an eye for clean and artful design. Soon to be a Computer Scientist, seeking an oppurtunity in Tech and Design field, to practice and polish my skills. Eager to learn new technologies and design trends.

EDUCATION

2017 - Bachelor s SEECS, NUST, Islamabad

2015 - FSc Pre-Eng F.G. P.G. College, Wah Cantt

2013 - Matriculation Sir Syed College, Wah Cantt

WORK EXPERIENCE

Sept 2020 Present Denovers, Karachi

Working closely with the design team and clients to design outstanding and user-friendly applications. Creating wireframes, user flows, high-fidelity mockups, prototypes and design systems of SaaS Apps and Mobile Apps. Redesigning UI, identifying and troubleshooting UX problems.

Aug 2019 May 2020 TABA Youth Chapter NUST

Deputy Director Graphics

PROFESSIONAL & TECHNICAL SKILLS

UI/UX	Wireframing
UI/UX	Interactive Prototyping
UI/UX	Information Architecture
UI/UX	UX Research and Visual Design

ACADEMIC PROJECTS

HumRaahi - Ridesharing and Carpooling App

Achievements

Highest Achiever - 2nd Position - HSSC Pre-Engg I C/G Wah Region I FBISE

Community Involvement

General Volunteer - CHADAR NUST Chapter

Volunteer - Project Insaniyat SEECS

Class Executive - NCSC Project Al Qalam

Extra Curricular Activities

Director Graphics & Publications - SGA SEECS
Deputy Director Graphics - TABA Youth Chapter NUST
Assistant Director Marketing - NUST Media Club
Team Member Graphics - SEECS Orientation 2019
Executive Marketing - NUST Media Club
Executive Decor - TABA Youth Chapter NUST

Amna Hassan

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Career Objectives

Having interest in Computer Science and especially in its emerging domains such as Data Science and Application Development is my motivation to pursue . And, want to have a relevent job in the same domain

EDUCATION

2015	Matric	Sanai School System
2017	ICS	Punjab College
2021	BSCS	National University of Sciences and Technology (NUST)

PROFESSIONAL & TECHNICAL SKILLS

Programming Langu	C,C++,Java, Python
App Development	Java with XML, Flutter
Machine Learning	Pytorch
Technical	Problem Solving and Logic Implementation

ACADEMIC PROJECTS

Deep fake Detection as Final Year Project
Brick Breaker game in C
Robber Bob game in Java
Ride Hailing App in react native,
E-commerce Website
Multiple Binary Trees connected with circular nodes

Community Involvement

Took Part in Project Insaniyat

Extra Curricular Activities

Volunteered at Open House 2018-2019
Participated at Youth Gorum 2018

Arwah Muhammad Jawwad

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Career Objectives

A final year Computer Science student aiming to land a career in academia and research. Interested in using computational solutions and technologies for social welfare. Keen interest in data science, image processing, NLP and web development.

Mobile Number: 03207417459

Achievements

- Winner PTCL Idea Hackathon 2020 Pakistan Telecommunication Company Ltd | November 2020
- Research Publication: Telemedicine in Arab countries: Innovation, Research trends and Way forward | Frontiers Media
- Certifications: AI in Medicine | Deeplearning.ai Coursera

Community Involvement

- NUST Community Services Club (Member for 3 years)
- Arranged a Blood Donation Drive in association with Sundas Foundation, Islamabad collecting over 800 pints.
- Member of the 15th HONET ICT conference held at SEECS (2018)

Extra Curricular Activities

- Content writer at Dopedesi (Feb 2020 - August 2020)
- Personal blog (Instagram: arraywahh (October 2016 Present)
- Languages: English, Urdu and French (A-1)

EDUCATION

2017 - 2021 Bachelors in Science in Computer Science
National University of Sciences and Technology (NUST)
CGPA : 3.81/4.0

WORK EXPERIENCE

Feb'21 - Present Associate Project Manager | Vyro.ai

Creating project plans, establish timelines, and understand the dynamics of the photography applications market. Administer performance of the project team in all phases of projects; coordinate team resources, direct team members, document project solutions and distribute responsibilities.

Sep' 20 - Jan' 21 Development & ML Intern | Hayan Systems

Developing machine learning models for image processing and speech recognition. Moreover, assisting the team as a frontend developer in react.js.

PROFESSIONAL & TECHNICAL SKILLS

React.js	Python
MERN Stack	Tensorflow/Keras/Pythorch
C/C++	Back-end: MySQL, MongoDb
Java	Git/ClickUp

ACADEMIC PROJECTS

Final Year Project:
Titled "Medical Image Captioning" this project will focus on generating textual diagnostic report from an X-Ray image based on the objects and actions in the image.
Using a CNN-LSTM approach to segment the images and predict text.

DAUD NASIR CHEEMA

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Career Objectives

Use my sharp skills and dedication to contribute to the future of company which appreciates my talent and gives me sense of accomplishment.

Achievements

Among top merit positions of all entrance tests of all top-ranking universities of Pakistan (Highest: 1st, Lowest: 33rd)

High Achiever throughout academic career (Among top 3 positions)

Extra Curricular Activities

Video Games
Badminton

EDUCATION

2021 BS-CS	SEECS, NUST	(CGPA:3.86/4.00)
2017 FSc.	PUNJAB COLLEGE, SARGODHA	(Marks: 86.9%)
2015 Matric	CONNOISSEUR GRAMMAR SCHOOL	(Marks: 90.47%)

WORK EXPERIENCE

June 19 - Sept. 19 TUKL - NUST Research And Development Center
Research intern. Worked on various Machine Learning and Deep Learning projects.

PROFESSIONAL & TECHNICAL SKILLS

Programming Languages	C, C++, Java, Python
Technical	Problem Solving
Technical	Logic Implementation
Technical	Machine Learning

ACADEMIC PROJECTS

Deepfake Detection – FYP: Detect deepfake video using CNN+RNN
Brick Breaker: 2D classic brick breaker game made in C (in 1st semester)
Rogue Assassin: 2D sidescroller action game made in Java (2nd semester)
Ride Hailing App: Ride hailing app in react native (5th semester)
Online Fundraiser Website: A simple fundraiser website (4th semester)
Image Segmentation on Cityscape dataset
Severesteel Defect Detection: Pixel based segmentation (UNET)
Multiple Binary Trees with Circularly Linked Nodes: 3rd semester project for Data Structures and Algorithm. Created multiple binary tree with node of one trees link in circular chain with other binary trees' nodes.

Hafiz Muhammad Aafaq

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LinkedIn profile aafaqrana

Career Objectives

I'm a computer scientist who has a passion to work in the tech industry, providing valuable expertise to start-up businesses.

EDUCATION

2014	Matric	Iqra Tarbiyat ul Atfal School
2016	Fsc.	Forman Christian College
2021	BSCS	National University of Sciences and Technology

WORK EXPERIENCE

July To Aug Techacker

Learnt and developed various social media marketing skills and did content writing.

Jan To May Vyro.ai

Developed understanding of AI and Deep Neural Networks and assisted team with developing User Interface

PROFESSIONAL & TECHNICAL SKILLS

Computer Science	C, C++, C#
Computer Science	Unity Game Development
Computer Science	Python Programming
Computer Science	Project and Team Management

ACADEMIC PROJECTS

FYP: AI based Trip Planner (This a cross-platform application that will intelligently make trip plans and give suggestions to the user).

Achievements

Wafaq-ul-Madaras certified Hafiz-e-Quran

Third position holder in College during Fsc.

Community Involvement

Worked as a trainer and social worker at Care Foundation.

Performed in NUST Chaddar (A community service competiton)

Extra Curricular Activities

Executive at FCCU Chemistry Club

Maryam Rashid

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Career Objectives

Computer science student with 3.6 GPA, strong programming skills, and familiarity with machine learning and mobile application development, seeking opportunities to work and excel in an indusstry that demands innovation and creativity.

EDUCATION

2013	Matric	The Grammar Foundation School
2015	FSC	Army Public College for Women
2017	BSCS	National University of Science and Technology

WORK EXPERIENCE

Oct 2020 Dec 2020 NESCOM- NDC

Internship at NESCOM Islamabad where I performed ML implementation using Tensor flow and python

PROFESSIONAL & TECHNICAL SKILLS

Programming	Python and C/C++
App Development	Flutter, React-native, Flask
Web Development	HTML, CSS, JavaScript, React, Node
Machine Learning	Tensor flow, Keras

ACADEMIC PROJECTS

Final Year Project: Creating a Mobile Application that uses Machine Learning, web-scraping and Natural Language Processing to detect Fake news

Semester Projects: A Website that serves as a search engine for books, Developed Search Engine App on React Native

Achievements

First position in Intra-NUST Declamation Competition arranged by NAB

Community Involvement

Participated in a charity event hosted by Chadar which is an initiative aimed at supporting the needy of our homeland

Extra Curricular Activities

Bronze medal winner in Intra-Zonal Netball competition 2017
Member SEECS Declamation Society

SARA TAYYAB

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Career Objectives

Looking for a job in the field of web development, graphic designing or software quality assurance.

EDUCATION

2021	BSCS	NUST, Islamabad
2016	A-levels	Super Nova College, Islamabad
2014	O-levels	OPF College, Islamabad

WORK EXPERIENCE

Jan, 2021 Present Federal Investigation Agency

Working as a full stack developer to digitize the hardcopy data of FIA into a website.
Implementing Recruitment Forms and Employee Management System for FIA.
Tools Used: Bootstrap, CSS, JavaScript, SQL, ASP.net

July, 2019 Oct, 2019 Startup-> Lightsell.

Worked as a front-end web-developer.
Handled the SEO of the website.
Managed the UI/UX for the website.
Tools Used: HTML, CSS, JavaScript

PROFESSIONAL & TECHNICAL SKILLS

Web	Bootstrap, CSS, JavaScript, SQL, ASP.net
Design	Adobe Xd, Adobe illustrator
Web	MERN Stack, Django
App	Flutter

ACADEMIC PROJECTS

Final Year Project: Sign Language to Audio Conversion.
A web-based application that detects gestures through image processing and translates them into words using machine learning frameworks. These frameworks convert the gestures into audio. (Django, Tensor-flow, CV2.Python).

Achievements

Gold Medal for securing straight As in O-levels, 100% scholarship in AS-level.
Gold Medal for securing straight As in AS-level,100% scholarship in A2-level.
Volleyball Captain
SEECS, NUST.
Student Council
Throughout School, College and University

Community Involvement

Actively donate blood at blood donation drives.
Took part in tree-plantation drives.

Extra Curricular Activities

-Led three intra-department sports events for SGA-NUST.
- Worked for the organizing team at the 16th ICT Conference.
- Won the intra-NUST Handball competition.
- Actively involved in the ACM @ NUST student chapter and Computer Science Society.

Muhammad Talha Umair Alim

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LinkedIn profile LinkedIn ID https://www.linkedin.com/in/muhammad-talha-umair-alim-62a079165/

Career Objectives

Passionate towards bringing positive change in the society through software development. Skilled in written and verbal communication.

EDUCATION

17-21	BSCS	NUST, Islamabad
14-16	FSc	Chenab College Jhang

WORK EXPERIENCE

Aug 2020- Dec 2020 at PeachMart

peachmart.pk an online shopping store
Tasks: Website Development/Management and Customer support

Oct 2020 - Nov 2020 at Poshish

poshish.pk an online shopping store
Tasks: Website Development/Management and Product Sourcing

PROFESSIONAL & TECHNICAL SKILLS

Python	Object Oriented Programming
WordPress	Data Structures and Algorithms
React	HTML, CSS & JavaScript
React Native	Git

ACADEMIC PROJECTS

working on final year project E-Qari: a mobile application that assists in recitation of Holy Quran,
Image Classifier in React using TensofFlowJS,
Facial Recognition attendance system,
Style Transfer in pytorch, desistore.pk [wordpress]

Achievements

At PeachMart (E-Commerce startup): From nowhere, our revenue reached Rs 500,000 / month just in fourth month, Alhamdulilah.

Community Involvement

1. Press Secretary at NUST Character Building Society

2. Visited an orphanage to give little orphans an idea about programming through scratch.

Extra Curricular Activities

Horse Riding and Badminton.

SAFA SADIQ

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Career Objectives

Focused and diligent undergraduate in computer science looking for a postion that will enablle me to leverage in-depth knowledge of data analysis to drive success in the business intelligence and provide technological solutions to help businesses grow

EDUCATION

2021	BS CS	National University of Sciences and Technology
2017	A-Levels	Karachi Grammar School
2015	O-levels	Karachi Grammar School

WORK EXPERIENCE

June 2019 Aug 2019 Nestle' Pakistan

Worked as in Intern on Nestle's upcoming food science project which focuses on capacity building and the enhanced development of the agriculture sector. Incharge of data collection and processing for the feasilbility study.

PROFESSIONAL & TECHNICAL SKILLS

IT	Coding Languages: Python, C/C++, Java
IT	Working knowledge of Windows and Linux
IT	Web development: HTML/CSS, Javascript, Wordpress
IT	Machine Learning: Tensorflow/Keras

ACADEMIC PROJECTS

CAD Application using a Hybrid between deterministic and probabilistic CNN:

Design of a CNN Architecture with deterministic feature extraction layers and Bayesian estimation in fully connected layers and an integrated loss function for both type of layers.

Achievements

Certifications:
Microsoft Office Specialist
Certified by Microsoft in MS Word, MS PowerPoint and MS Excel.

Machine Learning
Certified by Coursera

Deep Learning
Certified by Coursera

Community Involvement

Teacher, The Citizens Foundation, Karachi

Volunteer, Sindh Institute of Urology and Transplantation, Karachi

Extra Curricular Activities

Member Sindh Swimming Association
Executive Publications NUST, SEECS Student Government Association 2017-2019.
Module Head Nust Science Bee 2018.
Module Head, Karachi Grammar Science Olympiad 2017
Member Editorial Board Pulse Magazine, Karachi Grammar School.

F SHAIKH

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Career Objectives

A passionate individual who is enthusiast about Artificial Intelligence and Problem solving. For the past 4 years I have been studying computer science with the hope of scoring the job at one of the top tech companies. Coding is my passion especially when it comes to problem solving. I am always ready to learn and put all my efforts to get things done.

EDUCATION

National University of Sciences and Technology, Islamabad
Computer Science | 11 september 2017 - 4 june 2021
CGPA : 3.31
Degree College, Larkana
F.S.C Pre Engineeering | 1 september 2015 - 1 May 2017
Grade: 87%

WORK EXPERIENCE

Internee at SAMCERIANS | 1 june 2020 - 31 july 2020
SAMCERIANS is a startup that helps businesses and provide them quality software services and products. I worked on machine learning concepts and developed basic understandings.
Link: www.samcerians.com

Besides that, I have worked with various types of projects in different languages throughout my degree. But I've developed an interest in Machine Learning and AI. I've also liked working in several projects in JavaScript.
I would love to learn more and push my limits further and challenge myself to do better.

PROFESSIONAL & TECHNICAL SKILLS

- Python
- Artificial Intelligence/ML
- Database(MySQL)
- Data Analysis
- java
- JavaScript
- html/CSS
- C/C++

ACADEMIC PROJECTS

- The RSA public-key cryptosystem
- Artificial Neural Networks
- Self Sorting Networks (SSN)
- Space Invaders Game

Community Involvement

The Ultimate Associates
Worked 2 years voluntarily in management team for TUA which organises events for youth counselling in Larkana.

Extra Curricular Activities

-Cricket
-Exercising
-Table tennis
-Listening book summaries and documentaries
-E gaming

Muhammad Sarosh

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Career Objectives

Technology oriented person with ability to interact effectively with colleagues and clients. Adept at working independently as well as collaboratively on projects, making decisions and working with other professionals to solve problems and achieve goals. Committed to utilizing my skills to further the mission of the company

EDUCATION

2021	BSCS	National University of Sciences and Technology, Islamabad
2017	FSc	Superior Group of Colleges Faisalabad
2015	Matric	Blessing Home High School Faisalabad

WORK EXPERIENCE

Nov 2020 Jan 2021 Hive Technologies

Intern in python development and azure cloud

Nov 2020 Nov 2020 The Linen Studio

Devlopment and Manging of ecommerce wordpress website

PROFESSIONAL & TECHNICAL SKILLS

Programming	Python
Cloud	Microsoft Azure
E-Commerce	Wordpress Development
Web Development	HTML/CSS/JS

ACADEMIC PROJECTS

Final Year Project: D-Speak for deaf and dumb people
Hardware based project to convert sign language of deaf or dumb people into english words using RaspberryPi and sensors embedded on a glove and using machine learning model to train hardware to detect the sign being performed and use speaker as output for next person to understand

Achievements

N/A

Community Involvement

Member at NCBS (NUST Character Building Society

Extra Curricular Activities

Basket Ball
Video Gaming

Muhammad Ibrahim Afsar Khan

Achievements

- Flutter Certification
- Oracle DBA Cetification

Community Involvement

- Member Out Reach Club at The City SChool Peshawar.

Extra Curricular Activities

- Member of team Logistics HONET'19
- Executive HR at NUST Dramatics Club
- Member SEECS Football team

IBRAHIM JADOON

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Career Objectives

I am a motivated and results-drivenfinal year Computer Science student with strong analytical and problem-solving skills. Aiming for a career as atechnical team manager. Planning to use my technical knowledge and ability for the good of the public. With a keen interest in working as a Database Administrator.

EDUCATION

The City School
ALevels | 2015 - 2017

National University of Science and Technology
Bachelors of Computer Science | 2017 - 2021

WORK EXPERIENCE

Intern
Ufone | June 2019 - July 2019

- Worked on a project for the company to transfer records from .xls files into their primary database using C#.
- Learned the Kerberos Network Authentication protocol and it's core double hop system

PROFESSIONAL & TECHNICAL SKILLS

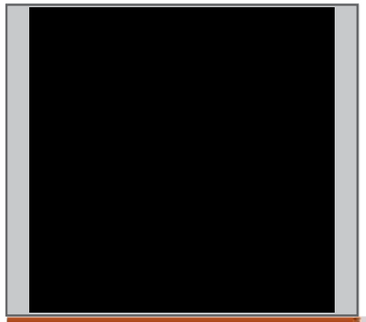
- Flutter + Firebase
- Database Management (MySQL)
- MERN Stack
- Python
- Web Develpoment (HTML, CSS, JavaScript)
- C/C++

ACADEMIC PROJECTS

- **Quizller**

A quiz game using a binary tree data structure which would learn new answers which it did not previously know of.

- **E - commerce Bakery Website**



Nameer Anjum

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Career Objectives

Passionate computer science student from NUST with excellent problem solving skills, full of innovative ideas. Interested in Data Science and Machine Learning. Looking forward to working for a

EDUCATION

2021	BSCS	SEECS - NUST
2017	FSC	Forman Cristian College
2015	Matric	UGI

WORK EXPERIENCE

08/20 09/20 SOFTWARE QA INTERN - AFINITI

Black Box Testing under highlyskilled supervisors
Product - AI Based Customer Service Software
6 weeks remote internship

09/20 11/20 WEB TRAINING - INTERNS.PK

Interns Program - 1 month
Spark Program - 3 weeks
Developed skills in HTML/CSS/JS/ES6/REACT

PROFESSIONAL & TECHNICAL SKILLS

Data Science	Machine Learning, DeepLearning, Tensorflow
Web Development	Word Press, MERN

ACADEMIC PROJECTS

-ONLINE CONCENTRATION DETECTION
-CARD TRADING WEB APP
-DUMB CHARADES OVER WEBRTC
-DODGE IT

Achievements

-Maths Olympiad FCCU - 3rd Position
-NET 2017 - Top 100.

Community Involvement

-TABA Youth Chapter NUST (2 years)
-Food Conservation - A community service project by Green Peace.

Extra Curricular Activities

-TYC NUST (2017-18) - Executive Graphic Design
-TYC NUST (2018-19) - Director External Relations
-NEC (2018-19) - Team Marketing and sponsorships
-NUST Job fair 2019 - Organizer

S ALI

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LinkedIn profile linkedin.com/in/sadaqatalinust

Career Objectives

Hard working and motivated Computer Science undergraduate, certified web developer from TEVTA and React Native Developer Looking to enhance my technical skills and aspiring for opportunities which can take my skills to new horizon.

EDUCATION

- National University of Sciences and Technology (2017 > 2021)
  BS Computer Science with Web Technologies and Mobile Development Elective and CGPA 3.02
- Punjab College of Science (2014-2016)
  FSc. Pre-Engineering

WORK EXPERIENCE

- React Native Developer at DairyHawk Technologies (Aug 2020-Present)
  Developed Syncpatient App and Bizara App in React Native
- ReactJS Intern at DairyHawk Technologies (Jan 2020-Aug 2020)
  Developed Sunshine Weather App in ReactJS
- Freelance Web Developer (2019 - Present)
  Developed number of websites in Bootstrap, JS and Jquery

PROFESSIONAL & TECHNICAL SKILLS

HTML5, CSS3, JavaScript, React-Native, JQuery, NodeJS, ExpressJS, ReactJS, MySQL, MongoDB, WordPress, C&C++, Java&JavaFX, MS-Office, Linux

ACADEMIC PROJECTS

- E-Qari (Mobile Application based on Speech Processing for Quran Learning)
- Voting System in Java, Multithreaded Bruteforcing React App, Courier Service Database System, Security Blog

Achievements

Completed Google Cloud #CloudSeekho Challenge.
Completed Microsoft Skill Challenge.
Participated in HONET-ICT Conference 2019.

Community Involvement

Worked as an Executive at Chaddar NUST and visited orphanages.

Teached Metric students in my village during COVID.

Extra Curricular Activities

Gymnastic
Running
Basketball
Badminton
Rope Skipping
History Reading
Current Affairs
Learning New Technologies

Tatheer Zahra

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Career Objectives

A dedicated and hardworking undergraduate pursuing Computer Science. Seeking software engineering positions to understand the intricacies of Networks and Systems. Primarily interested in enhancing clustered infrastructures to manage outsourced computation.

EDUCATION

2021 BSCS National University of Sciences and TechnologyICGPA: 3.54

WORK EXPERIENCE

Jan 2020 Present TUKL, NUSTI Research Assistant

-Developed Deep One Class Classifier (Deep OCC) for anomaly detection.
-Improved the Deep SVDD architecture and applied it to detect network intrusion.

Jun 2019 Sep 2019 CYPYNETS, LUMS I Research Assistant

-Worked as a Research Assistant for digitizing agricultural data of NARC.
-Preprocessed huge datasets using PCA and developed a repository for Google Earth Engine (JavaScript and Python).

PROFESSIONAL & TECHNICAL SKILLS

Languages	C/C++, C#, Python, Java, HTML/CSS,JavaScript,
Libraries	NumPy, PyTorch, Tensorflow, Keras, scikit-learn
Tools/Frameworks	Google Earth Engine, MySQL, NodeJS,ReactJS
Others	Time efficient and committed to work

ACADEMIC PROJECTS

-Multi-threaded web-crawler (Research Project).
-Fake News Detector (CNNs).
-Reliable UDP (Networks and Systems).
-Find Your Friends (NodeJS).
-Movie Recommender (Red Black Tree).
-Piano Tiles (Java, OOP).
-Lawyers Management System (JavaScript and JQuery).

Achievements

-9th position in Intermediate (Lahore Board).

Community Involvement

-Actively involved in rescuing stray and injured animals.

Extra Curricular Activities

-Deputy Director of NUST Dramatics Club.

Zaim Bin Jawaid

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LinkedIn profile Zaim Bin Jawaid

Career Objectives

Seeking opportunities to work in challenging environment, industry. I will give my best-effort knowledge to reach the organization's goals and objectives of the computer science field. To obtain fresher level skills and designing information and ready to enable the company to operate as well as effectively your business.

EDUCATION

2021 BSCS National University of Sciences and Technology(NUST)

WORK EXPERIENCE

Apr 2020 Aug 2020 ggez solutions

I was working on the development of the front-end for various websites for commercial and personal use at the company.

PROFESSIONAL & TECHNICAL SKILLS

Web	Node.js, MongoDB
Android	React Native, Kotlin
Analytical	Structural Java, C++
Machine learining	Python libraries

ACADEMIC PROJECTS

- Fake news detection using ML and Data mining
- Developed Search engine App on React Native
- Shopping Cart website on React Native
- Event Management Website through HTML/CSS/JavaScript/PHP
- Operating Systems development through C language

Achievements

-Organizing various plays in my university.
- Working on a novel project for my FYP.

Community Involvement

-Worked in an orphanage to hold an event for the children there for Pakistan day.
-A community service project for my class in the first year with the name "warm winter".
-Volunteering for multiple blood donation drives.

Extra Curricular Activities

-Joined my department's cricket team.
-Marketing member of the Nust Dramatic Club.
-Took French and cleared A1.

ZOHAA ALI

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LinkedIn profile: www.linkedin.com/in/zohaaali

Career Objectives

Work in a progressive and conducive environment for technical as well as professional growth. Get hands-on experience working on challenging projects that sharpen my skills and highlight my unrecognized abilities.

EDUCATION

2021	BSCS	National Institute of Science and Technology (NUST), ISB.
2017	FSc.	Punjab Group of Colleges, Lahore.
2015	Matric	KIPS School, Lahore.

WORK EXPERIENCE

July 2020 Aug 2020 Fatima Group of Companies, Lahore

Information Security Intern
Worked in IT Security and Governance Department
Conducted IT Security Research Tasks, Awareness Campaigns and used security tools deployed at Fatima Group

July 2019 Aug 2019 Allied Bank Limited, Head Office, Lahore

Information Technology Group (ITG) Intern
Worked in Network Operations Centre and Database Operations Centre
Got familiarity with work flow, deployed softwares and standard

PROFESSIONAL & TECHNICAL SKILLS

Technical	Programming, Web Development, Data Structures
Development	Python, C/C++
Soft	Learnability, Logic Building, Problem Solving
Professional	Team Work, Leadership, Ownership

ACADEMIC PROJECTS

Uditor (Final Year Project): An automatic image editing application that models user editing patterns using convolutional neural networks.

Uni-Aide: A website platform for universities based on SQL database and developed in HTML / PHP.

Achievements

95th Percentile in Scholistic Aptitude Test (SAT); 1420 score.

3.85 CGPA for 6 semesters.

Community Involvement

The Citizen Foundation (TCF), Lahore: Taught English and Mathematics to Intermediate and Higher Secondary students of underprivileged areas.

Project Insaaniyat: Freshman Year Project of providing basic necessity items to poor workers and staff members of the university.

Extra Curricular Activities

Liaison Manager for Science Bee, 2020.

Executive Organizing Committee for SEECS Open House 2019.

Executive HR for NUST Trekking Club, 2018-2019.

Executive Organizing Committee for HONET ICT, 2018.

Organized SEECS Welcome, 2018.

FULL NAME: Abdul Ahad Niaz

Email Address: Email ID: aniaz.bscs17seecs@seecs.edu.pk
LinkedIn profile: LinkedIn ID: https://www.linkedin.com/in/abdul-ahad-niaz-27a630177/

Career Objectives

Become a successful Native Software Developer
Be a part of Pakistan's finest software house
A successful entreprenuer

EDUCATION

2014	Matriculation	Muslim Public Higher Secondary School
2016	FSC	https://www.linkedin.com/in/abdul-ahad-niaz-27a630177/
2021	BSCS	SEECS, NUST

WORK EXPERIENCE

Aug, 2020 Dec, 2020 Mudin Enterpride ltd(Remote Work)

Assistant for database management in higher level language

2018 Till now Fiverr

Python and C++ develper

PROFESSIONAL & TECHNICAL SKILLS

Web Developing	MERN stack
Python	Development in Python
Native App Builiding	Flutter and Dart(In Progress)

ACADEMIC PROJECTS

Tetris Game in OOP
MNISTHandwritten Digit Classification
Fully synchronized Client-Server based file explorer
Book management website in React and Flask
Flutter App for Tourism Market Place (FYP in progress)

Achievements

Among Top matric students in BISE Multan
Availing Scholrship from TKF for full 8 semesters

Community Involvement

Webinar regarding CS career options
Cloth collection in hostels

Extra Curricular Activities

Impressive Crickter
Tennis and Badminton layer
Speaker in young age

Shaheer Abdul Dayan

Email Address sdayan.bscs17seecs@seecs.edu.pk

LinkedIn profile https://www.linkedin.com/in/shaheer-abdul-dayan-40228014a/

Career Objectives

A motivated individual with in-depth knowledge of web-development mainly in MERN stack, seeking a position in a growth-oriented company where I can use my skills to the advantage of the company while having the scope to develop my own skills

EDUCATION

2015	Matric	Divisional Public School & College.
2017	Intermediate	Punjab College of Science.
2021	BS CS	National University of Sciences and Technology (NUST)

WORK EXPERIENCE

2020 Present Orial Estate and Builders

I was Marketing interne and also maintain their softwares. I enhanced my marketing and sales skills in this company.

06/2019 1/2021 Softech

I was MERN Stack Developer and made many projects for clients and company in reactjs and nodejs framework. It was great opportunity for me to polish my development skills.

PROFESSIONAL & TECHNICAL SKILLS

Web-development	MERN Stack - Reactjs - Nodejs - ES6 - Javascript - HTML/C
Graphic Designing	Adobe illustrator, Adobe Photoshop, Adobe Premiere Pro
Team Work	I have strong team work and collabration skills.
Communication Skill	Marketing make my communiction skills more strong.

ACADEMIC PROJECTS

E-Gym (MERN)
Hostel Management System (HTML-CSS-JavaScript-PHP)
Restaurant Management System (Java)
Server/Client Communiction System (C++)
MadadGaar (Community Service Project - FYP)

Achievements

Youth Icon Award at Tehsil Level

Community Involvement

1. Plantation (Green and Clean Pakistan)
2. Teach students at backward and slum areas)
3. Generate donation and drives for food, clothes for poor people in different cities.
4. Consultancy

Extra Curricular Activities

Land Marketing
Kitchen Gardening
Grow and sales organic vegetables and fruits by doing value addition.
Books reading
Gym
Football

OSAMA NADEEM

Email Address onadeem.bscs17seecs@seecs.edu.pk

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

Career Objectives

To build innovative and efficient products using my Software Development skills and Deep Learning experience while contributing to the success of the company.

EDUCATION

2021	BS-CS	National Univesity of Sciences and Technology (NUST)
2017	HSSC	FG Sir Syed College, The Mall, Rawalpindi
2015	SSC	Siddeeq Public School, 6th Road, Rawalpindi.

WORK EXPERIENCE

Aug 2020 Oct 2020 Ovex Technologies

- Worked as a Software Developer Intern (Mobile)
- Developed a complete ecommerce application for Pakistan's Largest Online Bookstore in almost 30 days, less than half of the assigned time period.

Nov 2020 Present Freelancer

- In my free time, I work on different freelance projects which are mostly Android apps and Artificial Intelligence (ML & Deep learning) products.

PROFESSIONAL & TECHNICAL SKILLS

Android Development	Java, Android SDK, Firebase DBs, Volley, REST APIs
Machine Learning	Python, Tf / Keras, OpenCV, Dlib, SkLearn
Web Development	Bootstrap, JavaScript, SQL, Node.js
Others	Postman, Git

ACADEMIC PROJECTS

- Customer Feedback Recognition using AI based Speech and Video analysis
- FaceAttendance(Android) - AI based Face Recogntion Student Attendance App
- Liberty Books App (Android) - Complete Ecommerce Application
- Movie Click (Android) - Published on Playstore (>20k) downloads since July 2020

Achievements

- Finalist at Stacks Hack4Impact hackathon, organized by Stacks Pakistan.

- 8th Position at Inter School Maths Olympiad (ISMO - 2013)

Community Involvement

Extra Curricular Activities

- Member of Team Photography at NUST Media Club

- Organizer at 3rd IAPR Summer School on Document Analysis

- Traveling

- Debating

- Social Events

Hamza Khan

Email Address hkhan7017@gmail.com
LinkedIn profile linkedin.com/in/hamza-khan-001627144

Career Objectives

Enrolled In NUST Pakistan For Computer Sciences Program. I Want To Create The Advance Solutions To
Societal Problems Applying My Domain Knowledge.Apart From That Also I Take Interest In Management Side To
Better Inculcate Technology With Business.

EDUCATION

2015	Matric, Bio	Fauji Foundation College New Lalazar RWP
2017	FSC, Eng	Fauji Foundation College New Lalazar RWP
2021	BSCS	National University of Sciences and Technology (NUST)

WORK EXPERIENCE

Jun 2020 Jul 2020 PEMRA (Pakistan Electronic Media Regulatory Authority)
(Internee) I worked on existing website and tweaked the security vulnerabilities

Jun 2019 Aug 2019 Eziline Software House Pvt Ltd

Worked On Different Level PHP Projects To Improve Skills And Also Worked On MVC Framework
Laravel

PROFESSIONAL & TECHNICAL SKILLS

HTML/CSS/JS	Professional
ReactJS	Professional
NodeJS	Professional
Databases(MongoDB	Professional

ACADEMIC PROJECTS

Achievements

Microsoft Office Specialist PowerPoint 2013
Microsoft Office Specialist Word 2016
Google Digital Marketing
Digital Marketing Google Certification
CGB KBP LVN
Penetration Testing, Incident Response and Forensics(IBM)

Community Involvement

Head Of Finance
Chadar
Nov 2019 - Nov 2019 (1 month)
Worked as Head Finance On Project Street Store.It Aims For Betterment Of Less Priviledged Ones.

Extra Curricular Activities

Mohammad Abubakar

Email Address 786abubakar0@gmail.com
LinkedIn profile LinkedIn ID

Career Objectives

I want to use my CS knowledge and skills in research and developing systems for people in every field of life.

EDUCATION

2017	FSC	Punjab group of colleges
2021	BSCS	National university of sciences and technology, Pakistan

WORK EXPERIENCE

From To Organization

Brief summary of key responsibilities - work / research experience

From To Organization

Brief summary of key responsibilities - work / research experience

PROFESSIONAL & TECHNICAL SKILLS

Programming	Python, Java, C++, SQL
Web	HTML, CSS, Javascript
Frameworks	React Native, Bootstrap
Softwares	Android Studio, MongoDB, MySQL, Word, Power point

ACADEMIC PROJECTS

Multi-Server file downloader, Virtual file management system, File Compression, School Management System, Encryption Software, Website Development

Achievements

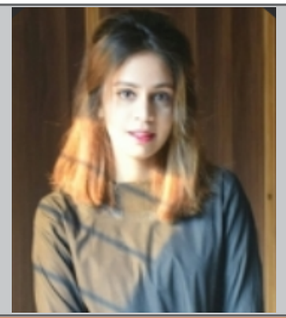
Honors, Awards or any other Worth Mentioning Achievements

Community Involvement

Write Community Involvements Here

Extra Curricular Activities

Write Extra Curricular Activities Here



Mahnoor Abeer

Email Address mabeer.bscs17seecs@seecs.edu.pk

LinkedIn profile www.linkedin.com/in/ mahnoor-abeer-khalid-294539196

Career Objectives

Results-driven computer science professional with good technical skills, firm grasp of business needs and understanding of user requirements gathering.Assesses risks and troubleshoots problems with excellent communication and planning abilities.

EDUCATION

2015	Matric	American Lycetuff School System
2017	F.Sc	Kinnaird College for Women University
2021	BS-CS	National University of Sciences and Technology

WORK EXPERIENCE

May,2019 Aug,2019 Government College University, GCU, Lahore

Created eye catching and functional digital design concepts to strengthen company brand and identity.
Determined coding requirements for site creation

Jan, 2019 Present Freelance Content Writer

Managed competing deadlines with efficiency.
Completed thorough research into assigned topics.
Evaluated project requirements and content standards for each project in order to produce copy in line with creative structure.

PROFESSIONAL & TECHNICAL SKILLS

Computer Sciences	Web and Coding
Computer Sciences	Database Management
Computer Sciences	Programming Languages
Content Writing	Research, Technical Writing, Content Marketing Strategy

ACADEMIC PROJECTS

1. Developed " Food Services" website
2. Developed " You hit, you lose" game in Java

Achievements

Won award in school as 2nd best Creative Writer, 2013

Community Involvement

Conducted a webinar on Computer Sciences Career Options for Intermediate students

Extra Curricular Activities

Internships
Volunteer Work and Community Services
Aerobics

FULL NAME: Muhammad Bin Jamil

Email Address Email ID: mjamil.bscs17seecs@seecs.edu.pk

LinkedIn profile LinkedIn ID: https://www.linkedin.com/in/muhammad-bin-jamil-0499141a3/

Career Objectives

A final year Computer Science student looking for entry level positions in Software Engineering.

EDUCATION

2014	A-level	The City School, Bahawalpur
2021	BSCS	SEECS, NUST

WORK EXPERIENCE

Sep, 2020 Now ASAB, NUST

Ongoing research with Dr. Rehan Paracha of ASAB, NUST in finding drug designs for HIV using deep neural networks

Aug, 2018 Now Fiverr, Upwork

Hands-on experience on many paid projects ranging from Selenium automation scripts to complex data science programs.

PROFESSIONAL & TECHNICAL SKILLS

OOP	Data Structures and Algorithms
Python, Java, C++	SQL and NoSQL Database
Socket programming	Web Services and APIs

ACADEMIC PROJECTS

Vehicle Re-Identification using Deep Convolutional Network (FYP)
Multithreaded network load balancer using Python

Achievements

Gold medalist I International Kangaroo Mathematics Competition, 2006

Community Involvement

Webinar regarding CS career options

Extra Curricular Activities

Football
Chess
Non-fiction reading

Usama Inam Paracha

Email Address uparacha.bscs17seecs@seecs.edu.pk Phone: 0336-1631001

LinkedIn profile Usama Paracha

Career Objectives

I want to work in an organization to learn more knowledge and improve my skills of Computer Science.

EDUCATION

2014	Matric	Government High School Darya Khan
2016	FSC	Government Degree College Darya Khan
2021	BS CS	National University of Science and Technology (NUST)

WORK EXPERIENCE

Dec 2020 Mar 2020 ASAB, NUST

Doing research for analyzing new drugs that could be useful in the treatment of AIDS using Deep Learning, with Dr. Rehan Zafar Paracha of ASAB, NUST.

April 2020 Present Fiverr

I am a freelancer at fiverr as a computer programmer and worked on a variety of programming tasks ranging from complex OOP tasks, Data structures and algorithms tasks to Data Science and Machine Learning tasks.

PROFESSIONAL & TECHNICAL SKILLS

Programming	I have an excellent grip over C,C++,Java,Python.
Computer Science	Data Structures and Algorithms, Computer Networks, OOP
Development	HTML, CSS, JAVASCRIPT, FLUTTER, REACT
Soft Skills	Communication, Work Ethics, Teamwork, Time Manager

ACADEMIC PROJECTS

A basic photo editor in C,A tetris game with gui interface in Java, An Android app that can check plagiarism of two texts, A web app on which one can upload photos and download photos of its interest, A blood donation web app in react. A video copying software in python using multithreading. A file management system in python using multithreading and semaphores and locks.

Achievements

I got third position in my school in Matric.
I got first position in my college in FSC.

Community Involvement

I took part in plantation drive in NUST.

I also took part in cleaning drive in NUST.

Extra Curricular Activities

I am a very good speaker. I did a lot of speeches in my school and college period. I won a lot of prizes in speeches too.

I am a very good badminton player.

I also do vlogging.

I am a very good Graphics Designer.

QURAT UL AIN

Email Address qain.bscs17seecs@seecs.edu.pk

LinkedIn profile quratulainannie

Career Objectives

A fresh graduate in Bachelors of Computer Science. I've always had an eye out on the aesthetics and designing of various things. Combining that with computer science, Front End Development has become my forte. I am also working on enhancing my Backend development skills. Open to opportunities and eager to expand my skill set in this field.

EDUCATION

2021	BSCS	National University of Sciences and Technology - GPA 3.43
2016	Pre Eng	ICG F-6/2, Islamabad (A1 grade)

WORK EXPERIENCE

2019 AI/ML Robotics and Machine Intelligence (ROMI) Lab, SEECS

Worked on a classifier for face detection.

2019 Present AClan

Graphic Designer - Handling media campaigns of brands

PROFESSIONAL & TECHNICAL SKILLS

Programming	React, React Native, Flutter, HTML/CSS, Java, JS, Node
Soft	Perseverance, Eager to learn new things
Tools	Git, Anaconda, Android Studio, Visual Studio, MATLAB
Design	Photoshop, Illlustrator, InDesign

ACADEMIC PROJECTS

PANICALL - Voice activated safety app that will send an automated msg to already saved contacts in an emergency by recognising a keyword.
Quizify - An offline entry test preparation software for computers. Goal is to facilitate students in learning, improving and testing their knowledge skills without any cost.

Achievements

- Graphic Designer at GDG DevFest18 Islamabad
- Finding Innovative and Creative Solutions (FICS) qualification
- Microsoft Office Specialist (Word, PowerPoint, Excel)
- Design Team Lead ACM NUST Student Chapter

Community Involvement

Participated in Project Insaniyat'17 held at NUST

Extra Curricular Activities

Graphic Designer, Potographer, love making Stop motion Video animations

AHMAD HASSAN

Email Address ahmadgishkori.1@gmail.com

LinkedIn profile https://www.linkedin.com/in/ahmad-hassan-129b1a152/

Career Objectives

A self-motivated and hardworking student of Computer Science studying in National University of Sciences and Technology (NUST) seeking for an opportuinity to work in a challenging environment to improve my skills and in the field of web development and utilize my knowledge in the growth of the orgnaziation.

EDUCATION

2015	Matric	Afaq Model High School Muhammad Pur
2017	Inter	Pakistan Hira Boys College Jampur
2021	BSCS	SEECS-NUST

WORK EXPERIENCE

Jun-18 Aug-18 NetDime

Internship - worked in the field of Android.

Feb-2021 Mar-2021 J7 Global

Internship - Sales

PROFESSIONAL & TECHNICAL SKILLS

Web Development	MERN, HTML, CSS, JS
App Development	Flutter
Sales	Industrial, product based
MS Office	Presentation, Documentation, Excel Sheets, etc

ACADEMIC PROJECTS

1. Flight Reservation System (DSA) using C++
2. House price detector in real time using ML (Python)
3. SEECS Achievement Website using HTML, CSS, JS, PHP, MySQL
4. Madadgaar (FYP) using MERN Stack

Achievements

Still no big achievement. But these are soon.

Community Involvement

My main FYP is community related project with three main beneficiaries (NGOs, Individual donors, Poor people).

Extra Curricular Activities

Travelling
Watching Movies/Series
Reading Books
Running

Taha Waqar Alam

Email Address talam.bscs17seecs@seecs.edu.pk

LinkedIn profile www.linkedin.com/in/taha-alam-038b681a3

Career Objectives

To work for an IT company that affords me the opportunity to learn new skills, grow as a person and rise to leadership positions

EDUCATION

2021	BSCS	National University of Sciences and Technology - SEECS
2017	A Levels	Karachi Grammar School
2015	O Levels	St. Michael's Convent School

WORK EXPERIENCE

06/2020 07/2020 Habib Bank Limited

Conducted research regarding incorporation of technology into financial institutions' ways of working including research into practices followed by top technology companies

PROFESSIONAL & TECHNICAL SKILLS

Programming	C, C++, Java, Python
Web Development	Node.js, React, React Native, Express.js
Databse Mgmt	SQL
Microsoft Office	Certified Microsoft Office Specialist

ACADEMIC PROJECTS

- Mobile Khaana
- Galaga
- OpenTable
- Database for Forests in the US

Achievements

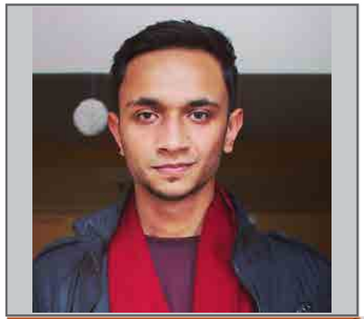
Class Representative

Community Involvement

- Annual Ramadan Iftar Drive
- Akhuwat Foundation Clothes Donation

Extra Curricular Activities

- Director Strategic Planning NSS
- Director Technical Modules NUST Science Bee
- Paragliding Special Course ASPT



Mohammed Moiz Ul Haq

Email Address mhaq.bscs17seecs@seecs.edu.pk

LinkedIn profile https://www.linkedin.com/in/moiz-ul-haq/

Career Objectives

A self-driven CS Major and Management Minor looking for roles in Data Analytics, Product Management and Growth Marketing.

EDUCATION

2021	BSCS	NUST School of Electrical Engineering & ComputerScience
2021	MGT-Minor	NUST Business School
2017	FSC	FG Sir Syed College (The Mall)

WORK EXPERIENCE

Jan'21 Present Teamup

• Consult with Teamup Advisory on multi-million-dollar projects for clients in various industries
• Work on the UI/UX design for the Career Launchpad website

Jun'19 Aug'19 PakTouring

• Tracked the website's data on Google Analytics with 1500+ monthly users to drive insights
• Performed research to identify key features for development of a new product

PROFESSIONAL & TECHNICAL SKILLS

Data Analytics	SQL, Python, PowerBI, Excel
Product MGT	UX Research, Adobe XD
Marketing	PowerPoint, Google Analytics, Digital Marketing
General	Teamwork, Leadership, Negotiation

ACADEMIC PROJECTS

Market basket analysis in Python, Employee turnover prediction in Python, Sales dashboard in Power BI, Increasing market penetration for Lipton teabags, Paid Search Campaign dashboard in Excel, Android app market analysis using Python

Achievements

Unilever Talent Hunt Semi-finalist (2020), ACM Chair of the year (2019), ACM Executive of the year (2018), Academic Excellence (2015)

Community Involvement

Millennium Fellow at United Nations Academic Impact, Campus Leader at Teach for Pakistan

Extra Curricular Activities

Swvl - Campus ambassador, NIMUN Social Responsibility Program - Team member, NUST Dramatics Club - Team member, SEECS Open House - Director of media and marketing

Mohammad Zaid Bin Khalid

Email Address mkhalid.bscs17seecs@seecs.edu.pk

LinkedIn profile www.linkedin.com/in/mohammad-zaid-bin-khalid-5b129a154

Career Objectives

A computer Science Student looking for Web Development, Graphics Design or basic programming jobs in a Company.

EDUCATION

2015	Matric	Siddeeq Public School
2017	FSC	F.G Sir Syed College
2021	BSCS	National University of Science and Technology Islamabad

WORK EXPERIENCE

February March Bhutta Real Estate and Marketing

Marketing Manager and Graphic Designer

2020 2021 Freelancing

Graphic Designing

PROFESSIONAL & TECHNICAL SKILLS

Graphics Design	Professional
Web Development	Front-end (Intermediate), Back-end (Beginner)
Python (Pandas)	Intermediate
Game Development	Beginner

ACADEMIC PROJECTS

Unity 3D game (3D remake of Nokia Classic Bounce)
Unity 2D game (Brick Breaker)

Achievements

Graphics Design Certificate from Arena Multimedia id# 500820

Artificial Intelligence Course form PIAIC (Currently in 3rd Quarter) Cleared first with 95% and Second with 92%

Microsoft Office certification

Community Involvement

I work with a charity Institution that operates in a nearby Masjid named Hassan Bin Ali (R.A). We support the Madrassa Students and I am the one with the duty of Managing funds.

Extra Curricular Activities

Gaming
Soccer

BISMA ASLAM

Email Address bismaa601@gmail.com

LinkedIn profile linkedin.com/in/bisma-aslam-02b4ab200

Career Objectives

Knowledgeable Computer Science student with experience in developing user friendly web applications, looking for jobs in Web Development and UI/UX Design.

EDUCATION

2021	BS Compute	National University of Science and Technoogy, Islamabad
2017	FSc Pre-Eng	RISE College , Multan
2015	Matric	House of Perfect Education, Multan

WORK EXPERIENCE

June 2019 Sept 2019 Milestone Zero, Lahore

Worked as front-end web developer

Dec4,2020 Dec13,20 Civic Hackathon

Worked on front-end web development and UI/UX Designing

PROFESSIONAL & TECHNICAL SKILLS

Web Developement	HTML, CSS, JavaScript, PHP
UI/UX Design	AdobeXD, Photoshop
Big Data	Jupyter, OpenCV, Numpy
DB Management	MySQL, PostgreSQL, MongoDB,

ACADEMIC PROJECTS

-- Created a web application using HTML, CSS, JavaScript, PHP, MySQL workbench.

-- Content Writing - Project Management, Artificial Intelligence

Achievements

-- Civic Hackathon Certificate for front-end web development.

-- Fundamentatls of Graphic Design Course from Coursera

-- Big Data, Artificial Intelligence and Ethics Course from Coursera

Community Involvement

-- Webinar on why to chose Computer Sciences and its Career options for Intemediate Students

-- NUST Plantation Drive

Extra Curricular Activities

-- Badminton champion

-- Basketball

-- Horse Riding

-- Freelancing - Content Writing

Zunaira Shafaq

Email Address eng.zunairashafaq@gmail.com

LinkedIn profile https://www.link edin.com/in/zunaira-shafaq-088867199/

Career Objectives

EDUCATION

17-21	BS CS	National University of Sciences and Technology, NUST
15-17	FSc	Punjab Group of Colleges, Burewala Campus
5-15	Metric	Crescent Model High School, Burewala Campus

WORK EXPERIENCE

09-2019 06-2021 Internet of Things (IoT) Lab, SEECS, NUST

05-2019 08-2019 Robotics and Machine Intelligence Lab SEECS, NUST

PROFESSIONAL & TECHNICAL SKILLS

Machine Learning	Python, Model Training, TensorFlow, Keras, OpenCV
Web Development	C, C++, Java, JavaScript, MongoDB, UI/UX Design, NodeJs
Computer Networks	Network Security, TCP/IP Concepts, Client/Server Coding
Other	Attention to details, Problem Solving, Good Communication

ACADEMIC PROJECTS

- Final Year Project: Worked on the detection of the Wheat disease called RUST using an ensemble an approach integrating Artificial Intelligence, IoT, and AWS Cloud Services for the

Achievements

Community Involvement

Extra Curricular Activities

Muhammad Anas Tahir

Email Address: Email ID: m.anastahir3@gmail.com

LinkedIn profile: LinkedIn ID: https://www.linkedin.com/in/m-anas-tahir/

Career Objectives

Work with highly motivated and innovative individuals to foster my technical and entrepreneurial skills.

EDUCATION

2021	BSCS	National University of Science and Technology
2017	A levels	Lahore Grammar School
2015	O levels	Lahore Grammar School

WORK EXPERIENCE

Sep, 2020 Present DeelDee

1) Developed the model for the prototype of the Face De-Identification application.
2) Migrated the existing code base from Google collaboratory to Google Cloud platform
3) Optimized the training algorithm and reduced the training time by more than

Mar, 2021 Present Hayyan Systems

1) Implementing the state of the art models for X-Ray diagnostics
2) Designing the system architecture for the app
3) Working on the interpretaility of machine learning models for different medical use cases

PROFESSIONAL & TECHNICAL SKILLS

Computer Science	Machine Learning, Deep Learning, Data Science, Research
Computer Science	Google Cloud development, Amazon Web Services
Computer Science	Python, C++, Java development
Computer Science	Problem Solving, Solution designing

ACADEMIC PROJECTS

1) Short-Term Load Forecasting:
I reproduced the results from the paper Short-Term Residential Load Forecasting Based on LSTM Recurrent Neural Network. It involved cleaning and formatting a large time series data dataset and implementing multi-layer LSTM network using Tensorflow framework.

2)Image Inpainting:

Achievements

Gold medalist A levels
Scholarship SEECS NUST
ACM Hackathon

Community Involvement

Extra Curricular Activities

Watching documentaries
Doing coding projects
Reading the AI research papers
GYM
Football

HASSAN SHAHZAD

Email Address: hshahzad.bscs17seecs@seecs.edu.pk

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

Career Objectives

Highly analytical individual with strong communication and programming skills. Interested in the position of Data Scientist where solid computer science background and machine learning will be utilized. Naturally an effective leader with demonstrated history of meeting targets, managing teams, solving problems and enthusiastic about driving social impact by encompassing values of innovation and diversity. Getting insights from data help me propose solution for improvement and that is what I am passionate about.

EDUCATION

2021	BSCS	NUST, H-12, Islamabad
2017	FSc.	F.G Sirsyed College, Mall Road, Rawalpindi
2015	Matric	Fauji Foundation Model School

WORK EXPERIENCE

15/03/21 Present Data Pilot

Working as a Data Science Intern, responsible for researching new methodologies in the data science and driving insights from data, by performing data modelling and data prediction on the data for better planning strategies.

28/06/20 02/08/20 Telenor

Worked as a Data Analytics Intern, responsible for creating a consumer insight dashboard. Developed REST API to retrieve data from various end points to provide valuable insights and predict user behaviour regarding different compaigns.

PROFESSIONAL & TECHNICAL SKILLS

Data Analysis	Python, Pandas, Numpy, Matplotlib, Seaborn, Plotly, Excel
Data Science	Scikit-Learn, Tensorflow, SQL/NoSQL, Statistical Modelling
Web Development	HTML, CSS, JavaScript, MERN Stack
Soft Skills	Effective Leader, Problem Solving, Team Player

ACADEMIC PROJECTS

Decision Support System for Pakistan Railways:
Developing a full-stack web application which uses REST APIs to gather live Railway data. It processes the unstructured data and uses Constraint Satisfaction Problem model to create an optimized timetable.

Achievements

Telenor Super Intern 2020.

FBISE Matric Top Position in Holder, secured scholarship.

Community Involvement

Fundraiser Volunteer at Master Ayub School F6.

Blood Donator at NUST Community Service Club.

Extra Curricular Activities

Worked for the organizing team at the 16th ICT Conference.

Actively worked in NUST-ACM for organizing Hackathons and Computer Science Workshops.

AHMAD SHAF

Email Address ashaf.bscs17seecs@seecs.edu.pk

LinkedIn profile https://www.linkedin.com/in/ahmad-shaf-a129631b0/

Career Objectives

To better explore and learn the utility perspective of Computer Sciences to elevate society to a World Economic Standard. Problem Solving, Logic Building, Team Work are the essential parts of society, so developing the link b/w these and society in a Working Environment.

EDUCATION

2014	Matric	Marine Public School, Bagar Sargana
2016	F.Sc.	GCU, Lahore
2021	BSCS	NUST, H12, Islamabad

WORK EXPERIENCE

2018 To Date Free Lance

Worked on a variety of projects including GBA emulator games, Desktop and mobile apps, some flutter projects and C++/java Professional works.

PROFESSIONAL & TECHNICAL SKILLS

Programming/FW	Python, C, C++, Java/Js, Matlab, React
Softwares/IDEs	V Code, Flutter, Android Studio, Jupyter Notebook, MySQL
Operating Systems	Windows, Linux
ML	kNN, Niave Bayes, Decision Trees

ACADEMIC PROJECTS

Development and Verification of Blockchain based E-voting system using Model Checking (Final Year Project)
Digital Logic Design Desktop app (Java/OOP)
AutoTOLL (Anti-theft central-database based system)
KnowOS (OS Sync/Scheduling CMD Program to understand and dev. your OS)

Achievements

Distinctions on SS/HSS level
Distinction in Community Service
Leadership throughout Academic Career

Community Involvement

Project Insaniyat SEECS best perfoming team (Team Lead)
Social Involvement in Khanewal's various welfare projects

Extra Curricular Activities

Reading/Writing (Poetry Prose)
History, Social Sciences, Islamic Uloom
Iqbaliyat, Wasifiyat, Eastern Welfare
State systems and dev.
Common Affairs
Law/Jurisdiction

ALI ABID CHAUHDARY

Email Address aliabidchauhdary@gmail.com

LinkedIn profile https://www.linkedin.com/in/ali-abid-chauhdary-54464a1b4

Career Objectives

I am a hardworking and passionate computer science student from NUST looking for job opportunities in the fields of Full Stack Development and Android Application Development to expand my problem solving skill and to add value to the organization by utlilizing exciting skills.

EDUCATION

National University of Sciences and Technology
Computer Science 09/2017 – present CGPA- 2.93

Punjab Group of Colleges Khanewal
F.s.c Pre-Engineering 2017-Completed

WORK EXPERIENCE

I worked as a freelancer for my private clients on a variety of projects.

Teachnical Content Writter

- Articles/literature reviews on excitiong prograaming and web development

Programmer and UI/UX designer

- Using effeiceint Algorithms and Data structures to solve various problems
- Made some user experience designs

PROFESSIONAL & TECHNICAL SKILLS

- Microsoft Office
- React Native
- Python,
- JavaScript
- Node js
- Html/CSS
- Teamwork
- Adaptability
- Problem Solving,
- Time management
- Work Ethic
- Perseverance

ACADEMIC PROJECTS

- **Chatbot:** An artificially intelligent chatbot using Google's DialogFlow and Web Speech API's speech recognition.
- **ChitChat:** A multithreaded client-server based chatting application.
- **StudentLife:** A Java based 2D game

Achievements

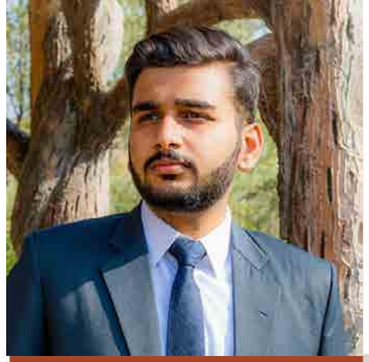
- Certified User of Microsoft Office
- Well versed in multiple porgramming languages and UI/UX design
- Made a complex java based game from scratch

Community Involvement

- Project Insaniyat- Under the umbrella of NUST chadder society
- Participated in NUST blood donation drive

Extra Curricular Activities

- GYM
- Basketball
- Cricket
- Bedminton
- Article Reading



Owais Ahmad

Email Address m.owais4014@gmail.com

LinkedIn profile https://www.linkedin.com/in/owais-ahmad-272b18150/

Career Objectives

Focused Computer Science major currently attending National University of Science and Technology. Aiming to leverage proven analytical, problem-solving, and teamwork skills to successfully fill the internship role at your company. Frequently praised as results-oriented by my peers, I can be relied upon to help your organization achieve its goals.

EDUCATION

2015	O Levels	Jinnah Highs School System
2017	A Levels	Jinnah Highs School System
2021	BSCS	National University of Science and Technology

WORK EXPERIENCE

Feb 2021 Mar 2021 Hactric Solutions

Worked on various projects, with different roles, prominent ones include state-management of the application using Redux, integration of frontend-backend, and optimization of UX using various React Dev tools.

Sep 2018 Dec 2019 RAAR Rides

I was one of the founding members of RAAR. Initially we worked on the business model of the application, later I was given responsibility of setting up tech-side of our startup which includes app, servers and dashboard.

PROFESSIONAL & TECHNICAL SKILLS

Web Development	MERN STACK
Mobile Dev	React Native
ML	K-Nearest Neighbours, and Decision Trees
Deep Learning	Tensorflow

ACADEMIC PROJECTS

Similar Cases Retrieval from Legal Documents
Easy Stocks
Blogs Website
Agent Pathfinding using Genetic Algorithm

Achievements

Runner-Up, HULT Prize NUST, 2017

Community Involvement

Volunteer @Chadar Foundation 2017

Extra Curricular Activities

Press Secretary - NUST Adventure Club

Team Member - NUST Olympiad'19

Muhammad Qubais Hafeez

Email Address mhafeez.bscs17seecs@seecs.edu.pk

LinkedIn profile https://www.linkedin.com/in/muhammad-

Career Objectives

Result focused individual looking for mobile and web application development opportunities in a goal-oriented company.

EDUCATION

2015	O levels	Froebels International School
2017	A levels	Froebels International School
2021	BSCS	National University of Sciences and Technology (NUST)

WORK EXPERIENCE

July 2020 Aug 2020 WWF

Was the team lead for an online social media campaign: ‘save the snow leopards’.

July 2019 Now Freelancing

Web development, content writing and UI/UX development

PROFESSIONAL & TECHNICAL SKILLS

Soft skills	Creative, flexible, good work ethic, time management, compatible.
Technical skills	C, C++, Python, Java, JavaScript, HTML, CSS, React, ReactNative, JQuery, Nodejs, MySQL, mongodb

ACADEMIC PROJECTS

Created an online match making system as a semester project for database systems.
Also, created a website for GapDynamics

Achievements

Academic Scholorship holder in A levels.

Community Involvement

Recieved WWF community service certificate

Extra Curricular Activities

Basketball captain, intra basketball university champion, department basketball university champion.

Gym goer, passionate about fitness.

Watching marvel movies and reading marvel comics.

EIMAN FATIMA

Email Address efatima.bscs17seecs@seecs.edu.pk
LinkedIn profile https://www.linkedin.com/in/eiman-fatima-58ab111a1/

Career Objectives

I am a young professional pursuing a career in computer science. I have a proactive attitude, strong work ethics and good all round performance contributing to company's growth and make a real contribution to the day-to-day operations of any business

EDUCATION

2021	BSCS	Natinal University of Science and Technology, Islamabad
2017	F.Sc	Fauji Foundation Higher Secondary School Khushab
2015	Matric	Fauji Foundation Higher Secondary School Khushab

WORK EXPERIENCE

From To Organization

Brief summary of key responsibilities - work / research experience

From To Organization

Brief summary of key responsibilities - work / research experience

PROFESSIONAL & TECHNICAL SKILLS

Professional	Database Management Project Web Develop
Professional	Software Development Hardware Experience
Interpersonal	Good Communication Skills, Hard-Working, Quick Learner
Interpersonal	Leader, Adaptive and flexible, Patient , Team worker

ACADEMIC PROJECTS

Mood Detector and Enhancer - C
Know Your Class- MySQL and Node.js
Wedding Adviser - HTML/CSS, JavaScript
Task manager - React.js and Meteor.js
Development of an Open source Medical Image Annotation Tool

Achievements

Topper of BISE Sargodha - 2017

Community Involvement

Member of Project Insaaniyat by Chadar:
A community Service program in which we provided warm clothes, books and money for the construction of school.

Extra Curricular Activities

Sports (Cricket, Badminton)
Poetry
Debating

Zunaira Salam

Email Address zunairasalam@gmail.com
LinkedIn profile linkedin.com/in/zunaira-salam-89b534184/

Career Objectives

A computer scientist with excellent logical and analytical skills.Seeking a challenging career with a progressive organization that provides an opportunity to utilize my technical skills and abilities.

EDUCATION

2021	BSCS	National University of Science and Technology, Islamabad
2017	Pre-Eng	Jinnah College for Women, Peshawar
2015	Matric	Peshawar Model girls High School, Peshawar

WORK EXPERIENCE

From To Organization

Nil

From To Organization

Nil

PROFESSIONAL & TECHNICAL SKILLS

Web development	MERN Stack, Javascript, HTML, CSS
Programming	C/C++, Java, Python
Professional Skills	Teamwork, Adaptibility, Problem Solving, Work ethics
Softwares	MS Office, MATLAB, Adobe Potoshop

ACADEMIC PROJECTS

Basic Photo Editor: C language command lineapplication
Event Manger: Desktop application using Java andJavafx
Handyman Toolkit: Web Application using JavaScript,CSS, Bootstrap
My ToDo's : Web and Mobile Application using React/React Native
FINAL YEAR PROJECT:Open Source Medical Image Annotation Tool

Achievements

Honors, Awards or any other Worth Mentioning Achievements

Community Involvement

Project Insaaniyat by Chaddar:
A community service project for provision of warm clothes and money for construction of school

Extra Curricular Activities

Swimming

NUST
Defining futures

NUST School of Electrical Engineering
and Computer Science (SEECS)

NUST, Sector H-12, Islamabad
www.seecs.nust.edu.pk | www.facebook.com/NUST.SEECS