



MUHAMMAD AHMED AHSAN

Computer Engineer

An Optimistic and Motivated BS (EE) individual who loves to explore new horizons and wants to effectively utilize skills and technical expertise that helps in the growth of science and technology. Aim to secure a challenging position in a reputable organization to expand my learnings, knowledge, and skills.

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🌐 [linkedin.com/in/muhammad-ahmed01](https://www.linkedin.com/in/muhammad-ahmed01)

WORK EXPERIENCE

Junior Software Engineer (Intern)

Aspire Analytica

06/2023 - 08/2023,

Lahore, Pakistan

Achievements/Tasks

- Developed live communication website and made advancements in company's website using MERN.
- Worked with the Product and Design team to develop, understand and implement complex application requirements

Contact : Farhan Maqsood - +92 308 4245492

Switching and Networking Engineer (intern)

PTCL

07/2022 - 08/2022,

Lahore, Pakistan

Achievements/Tasks

- Maintaining security measures to protect the network from unauthorized access, cyber threats, and other security breaches
- Worked in GPON department and gained insights about fiber optical network.
- Regular maintenance of the network for smooth operation and monitor network performance, troubleshoot issues when needed.

Contact : Muhammad Zeeshan - +92 334 8406365

EDUCATION

BS Electrical - Specialization: Computer Engineering

FAST NUCES, Lahore

07/2020 - Present,

Lahore, Pakistan

Courses

- Computer Programming:** C++ (OOP, DSA), C, DataScience, Machine-Learning, µP Assembly, Data Communication, Embedded Systems
- Electronics:** Linear Circuit and Network Analysis, Electronic Devices and Circuits, Signals and Systems, Digital Logic Design, Electro-Mechanical Systems, Feedback Systems

F.SC Pre-Engineering

Punjab College, Lahore

2018 - 2020,

Lahore, Pakistan

HARD SKILLS

MERN stack Development

C / C++ (OOP, DSA)

µP Assembly

Python-3

MS SQL, MongoDB

Bootstrap, Tailwind-css

MS Office

Proteus and AutoCAD

PIC & ARM Microcontrollers

PERSONAL PROJECTS

FYP - Plant Disease Detection and prescribing its cure using Machine Learning (2023 - Present)

- Got Selected for Financial Funding FROM Pakistan Engineering Council (PEC) and got 2nd Position in Job Fair FYP Competition - 2024 at FAST.

Part of Twitter Network (2022 - 2022)

- Designed and implemented using C++ with advanced data structures and optimal time complexity

Hardware Based Timer & Digital Clock (2022 - 2022)

- Developed using µP, ARM- Cortex M4 (TM4C123GH6PM) and implemented on Hardware

Library Management and Delivery System (2021 - 2021)

- Designed and developed using concepts of C++

Driving License Management System & GUI (2020 - 2020)

- Designed and developed using C++ (OOP)

ACHIEVEMENTS

Member (Career Counseling Society) at FAST-NU (2020 - Present)

Head of Logistics (Institute of Electrical and Electronics Engineers-Society) (2021 - 2023)

Organized SOFTEC at FAST as EXE Officer (2023 - Present)

LANGUAGES

English

Full Professional Proficiency

Urdu

Full Professional Proficiency

Punjabi

Professional Working Proficiency

INTERESTS

Ai and Machine Learning

Science And Technology