



Sahl Mujtaba

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Education

FAST - National University of Computer and Emerging Sciences, Islamabad.

Bachelor of Science (Electrical Engineering)	2025
Major: Embedded systems	
The City School, capital campus, Islamabad	2020
A levels (Pre-Engineering)	
The City School, capital campus, Islamabad	2018
O levels (Science)	

Projects

Final Project: Designing a level 2 Electric Vehicle charger: - System capable of fast charging electrical vehicles with different battery specifications.

Semester Projects:

Audio Recording Analysis for Communication Systems using SSB+FDM

Obstacle Avoidance + Line Following Autonomous Bot Using ATMEL ATmega32

Wireless Charger Prototype

Travel Guide Program Utilizing Dijkstra's Algorithm in C++

DC Regulated Power Supply (PS225)

AC/DC DMM Designed on PCB using Proteus and Arduino

Real Time Price Indicator using API and C++ on Linux.

Work Experience

Intern at Pakistan Council of Scientific and Industrial Research (PCSIR) Worked at their data center under supervision, learning different networking techniques.	Jun 2024 – July 2024
Intern at National Highway Authority (NHA) Worked under supervision of Assistant Director, dealing with the maintenance of the new airport road, along with all the metro bus stations from zero point till the new airport, Islamabad	June 2020 – July 2020
Usher at National University of Computer and Emerging Sciences (NUCES) Successful interaction with company representatives from NETs International and Nayatel. Guided the representatives through our campus during job fair. Conducted many interviews of fresh graduates with the company officials from HR department.	Job fair 2023 Job fair 2024

Skills & Tools

Professional Skills	Team Work, Team Management, Team Organization and Anger Management.
Technical Skills	MATLAB, C++, Python, Atmel, Arduino, AUTOCAD, Proteus, Cisco Packet Tracer.

Activities

Head 'NaScon volley' in NaSCon'23 and NaSCon'24

Interests

Hiking, Sports (volleyball), Reading, Travel.