



## Abdullah Naghman

+923353080050, [abdullahnaghman2@gmail.com](mailto:abdullahnaghman2@gmail.com)

LinkedIn: [www.linkedin.com/in/abdullah-naghman-312389328](https://www.linkedin.com/in/abdullah-naghman-312389328)

### Education

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

**Bachelor of Science in Electrical Engineering**

**2025**

**Major:** Electronics

Privately

**2021**

**A-Levels**

Roots IVY International

**2018**

**O-Levels**

### Projects

**Final Project:** **Computer-Vision Based Road-Fault Detection Using YOLO11 and RTAB Mapping:** A device that uses Raspberry Pi 5 Camera module, LiDAR sensor (3D), IMU and a GPS module and detects potholes in real-time and sends its telemetries to the cloud services, creating a cloud Digital Twin, to ensure driver and vehicle safety and a better road infrastructure.

#### Semester Projects:

Banking System using C++ (Programming Fundamentals).  
Designed a 3D car model using AutoCAD.  
Created Proteus Simulation model that solved basic Nodal and Mesh Analysis.  
Built a working wooden Study Table Lamp.  
Designed a multimeter using Arduino.  
DC Voltage regulator.  
Line Following Robot using Logic Based ICs.  
Line following robot that detects obstacles and fire using ATMEGA-32.  
Audio signal processing using MATLAB.  
Public Speaking Device using Power Amplifier.

### Work Experience

Intern at **Pakistan Council of Scientific and Industrial Research, Ministry of Science and Technology**, worked as a Data Center Engineer.

**Jun 2024 – Aug 2024**

Teachers Assistant in courses: **Feedback Control Systems and Communication Skills.**

Research Assistant in FAST NUCES Islamabad.

### Skills & Tools

**Professional Skills** Team Work, Team Management, Team Organization, Communication Skills.

**Technical Skills** MATLAB, C++, Python, Atmel, Arduino, AUTOCAD, Proteus, Cisco Packet Tracer, Raspberry Pi

### Achievements

First Runner's Up in HRC 2023 Maze Runner University Category.  
Winner of Engineering Gameshow in NaSCon'23.  
High Achievers Medal from Roots IVY International on O-Levels result.

### Trainings / Certification

Certification of Deep Learning and Neural Network from Coursera.

### Activities

IEEE Chairperson FAST NUCES Islamabad Chapter.  
Fast Engineering Society Vice-President Operations.  
Head of Event NaSCon'24.

### Interests

Outdoor Activities like hiking, Basketball