



## Muhammad Talha Nadeem

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### Education

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

<b>Bachelor of Science (Electrical Engineering)</b>	<b>2025</b>
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<b>Major:</b>	<b>Power Systems</b>
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<b>National H.S.S for Boys Chowk Ameer-e-Millat, Kahror Pacca</b>	<b>2019</b>
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<b>F. Sc (Pre-Engineering)</b>	
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<b>Govt. High School Rind Jada, Kahror Pacca</b>	<b>2017</b>
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<b>Matric (Science)</b>	
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### Projects

**Final Project:** Dynamic Whistle Blower Traffic Monitoring System:

Over speeding vehicles detection in dynamic environment using the LiDAR Sensing technology, GPS Module for precise Location and Camera Module to capture License Plate to report violations in real time using Firebase as cloud and Flutter based android application and website/Dashboard as frontend.

**Semester Projects:**

### Work Experience

1- Intern at <b>Multan Electric Power Company (MEPCO)</b> Worked in their four prestigious departments named <b>Metering and Testing, Substation and Transmission, Transformer Reclamation Workshop</b> and <b>Planning and Engineering</b>	<b>JUN 2024 – JUL 2024</b>
2- Intern as <b>Production Engineer</b> in <b>Pakistan Beverage Limited</b> Worked in the <b>Effluent Treatment Plant Manufacturing Department</b>	<b>JUL-2024 – AUG-2024</b>
3- Intern as <b>Supply Chain Planner</b> in <b>PepsiCo</b> Worked as remote intern from <b>Roshan Kal</b> program in the department of <b>Fast Moving Consumer Goods (FMCG)</b>	<b>JUL-2024 – AUG-2024</b>

### Skills & Tools

<b>Professional Skills</b>	Technical and Business Report Writing, Communicational Skills, Leadership and Strategy Planner, Operational Management, Safety and Environmental Management, Risk Management, Emotional Intelligence, Growth Mindset, Product and Project Management, Dispute Management, Quality Assurance, Cost Benefit Analyst, Complex Engineering Problem Solving, Time Management, Resource Management,
<b>Technical Skills</b>	MATLAB and Simulink, ETAP, C++, Python, Atmel Studio, Dev C++, Code Blocks, Visual Studio, Flutter, Linux, Arduino, Proteus, Assembly, Raspberry Pi-4B & Pico, ESP-32/8266, Circuit Designing, PCB Designing, Logic Designing,

### Achievements

**1<sup>st</sup> Position** on Final Group Presentation Competition on the topic **“Carbon Footprint Analysis of PepsiCo’s Beverage Production Process”**

### Trainings / Certification

Safety in the Utility Industry, Renewable Power and Electricity Systems, Power System Stability, MV Substation An Industrial Approach, Electric Power Systems, Wireless Communications for Everybody, Introduction to Architecting Smart IoT Devices, CPR Training at **Shifa International Hospital Ltd**

### Activities

**Member:** IEEE, NSPE, International Forum of Researchers and Lecturers, INSTICC, International Association of Engineers, ASABE, ASCE, American Society of Naval Engineers, IFERP, ASME

### Personal Character

Patriot Pakistani, Humble and Polite, Honest and Trustworthy, Religious and Faithful, Obedient, Self Motivated, Enthusiastic, Observer and Researcher, Futuristic, Creative and Innovative