

Momina Munir

Electrical Engineer

Energetic self-starter, quick learner and team builder able to navigate high-stress situations and achieve goals on time. Seeks to acquire a position to utilize my skills and abilities in reputed organization that offers professional growth while being resourceful .

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📍 Islamabad, Pakistan

EDUCATION

MS. Electrical ENGINEERING(AI&AS)

NUST (Main campus)

B.Sc. Electrical Engineering

Mirpur University of Science and Technology (MUST),
Mirpur AJK.

Courses

- Machine Learning
- Artificial Neural Network
- GNN
- Electrical network analysis
- HCI
- NLP
- Linear algebra
- Engineering Economics
- Stochastics
- Robotics

WORK EXPERIENCE

Coding Fellow

NUST Murabbi

WAPDA Intern

Hydel Power Station Mangla

October 12, 2021 – November 22, 2022

Junior Engineer

ADAMS Fire Tech Pvt. Ltd.

September 6, 2022 – May 10, 2023

PROJECTS

- (1) Planning and control of Autonomous vehicle in Extreme weather using LLM
- (2) EEG (Like vs Dislike)
- (3) Train your GPT (Text to image)

SKILL

- Autonomous Driving Simulation (CARLA, SUMO)
- Python Programming
- C++ (Basic to Intermediate)
- Multimodal Large Language Models (LLMs)
- Research Writing & Scientific Reporting
- Trajectory Planning and Control
- Sensor Fusion (Camera, Radar, LiDAR)
- Data Analysis & Visualization (Matplotlib, NumPy, Pandas)
- Data Entry
- Presentation Making

CONFERENCES AND SEMINAR

- Workshop on “Digital Transformation” (CPD) – Pakistan Engineering Council
- Seminar on “Solar and Wind Power Potential in Pakistan” – PEC
- Seminar on “Cellular Networks (2G to 5G): Future Applications” – PEC
- Seminar on “Artificial Intelligence: Implications for Technology & Business Strategy”
- CPD Webinar on “Digital Transformation”
- CPD Webinar on “Standard Procedure & Formula for Price Adjustment”

Publications

- **Adaptive A* RRT* for Robot Navigation in Maze**
International Conference on Engineering of Modern Electric Systems (EMES), 2025