Kishwar Raza

Electrical Engineering Student

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I am an Electrical Engineering student with a strong interest in embedded systems, programming, Machine Learning, and IoT. My final year project focuses on developing an intelligent hardware-software integrated system using IoT devices and machine learning for real-world applications. I am passionate about building efficient and practical engineering solutions that combine hardware and software. I continuously improve my technical skills and aim to build a career in embedded systems and intelligent technologies through hands-on industry experience and innovative projects.

EDUCATION

BS Electrical Engineering
Namal University Mianwali
4th Year (In Progress)

WORK EXPERIENCE

Internship Trainee
NTDC (National Transmission & Dispatch Company)

- Gained exposure to power transmission systems and grid operations.
- Observed maintenance of high-voltage electrical equipment.

Line Following Robot Team Member
Namal University Mianwali

- Worked on autonomous robot design using sensors and control logic.

SUMO War Robot Team Member
Namal Tech Expo

- Participated in robot competition focusing on strategy and hardware design.

ORGANIZATIONS

Education Wing Member
Namal University

INTERESTS

Embedded Systems, Machine Learning, Internet of Things (IoT)

SKILLS

C	C++	Python	Assembly
Arduino	Sensor Interfacing	Hardware Integration	
MATLAB	Dev C++	Cisco Packet Tracer	
Digital Systems	Circuit Design	Microcontroller Programming	
Machine Learning	IoT	Renewable Energy	Power Engineering

PROJECTS

Solar AI-Based Pesticide Sprayer System

- Designed solar-powered pesticide sprayer system.
- Implemented pest detection using Machine Learning model.
- Integrated IoT (camera, sensors, microcontroller).
- Added mobile app integration for monitoring and control.

Crop Recommendation System (ML)

- Developed ML-based system for crop recommendation.
- Used data-driven approach for agricultural decision making.