

Noreen Arshad

Electrical Engineering Student

✉ noreenarshad5641@gmail.com

📍 Dera Ghazi Khan, Pakistan

☎ 03080606982

Motivated Electrical Engineering student with strong interest in Internet of Things, Machine Learning, and Computer Architecture. Experienced in microcontrollers, soil sensors, MATLAB, and simulation tools. Passionate about developing innovative hardware-based projects and applying technical skills to real-world engineering challenges.

Education

BS Electrical Engineering

Namal University Mianwali

Experience & Activities

SUMO War Robot Development

Namal Tech Expo

- Developed and demonstrated a competitive SUMO War Robot

Line Follower Robot Development

Academic Project

- Designed and implemented autonomous line follower robot using sensors

Website Development

Academic Project

- Built responsive websites for academic and project applications

App Development

Academic Project

- Developed mobile applications with frontend and backend functionality

Character Building Society

- Participated in social welfare and community activities

Technical Experience

- Soil Sensors Integration
- Dashboard development using Streamlit
- Raspberry Pi 4 Integration
- Circuit Design and Simulation

Courses

- Database Engineering
- Internet of Things
- Machine Learning
- Computer Architecture
- Embedded Systems

Skills

Python Arduino MATLAB MySQL
Linux Streamlit ModelSim Circuit Design
Cisco Packet Tracer

Projects

Crop Recommendation System

- Developed machine learning model for crop prediction based on soil data

Solar Power AI Pesticides Sprayer

- Designed automated spraying system powered by solar energy

Password Management System

- Created secure password management system with encryption

5-Stage Pipelined RISC-V Processor

- Designed and simulated pipelined RISC-V processor architecture

Tools & Technologies

- MATLAB
- ModelSim
- Linux
- MySQL
- Arduino
- Streamlit
- Cisco Packet Tracer

Interests

Book Reading Technology Innovation