



Ghulam Muhammad Khan

Electrical Engineer

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📍 Mianwali, Pakistan

Motivated Electrical Engineer specializing in embedded systems, control systems, and hardware-software integration. Experienced in developing practical robotics solutions, including an automated agricultural soil-testing robot. Eager to contribute strong technical proficiency and leadership skills to a forward-thinking engineering team.

EDUCATION

Pre Engineering (FSc)

Superior College Mianwali
Jan 2021 - Dec 2022

Bachelors in Electrical Engineering

Namal University Mianwali
Sep 2022 - Present

Courses

- Control system
- Digital Signal Processing
- Internet of Things(IOT)
- Embedded System
- Control System
- Power Electronics
- Machine Learning
- Digital Image Processing

WORK EXPERIENCE

Engineering Intern

Pascon Construction Company
Planning and Review Work
Jul 2025 - Sep 2025

ACHIEVEMENTS

- Reviewed and interpreted electrical drawings and Single-Line Diagrams (SLDs) for construction projects.
- Assisted senior engineers with electrical load calculations and equipment sizing.
- Ensured proposed electrical designs and plans complied with standard safety and building codes.

ORGANIZATIONS

Namal Society For Social Impact

Co Head Education Wing

SKILLS

- C++
- Python
- Problem Solving And Analytical Analysis
- Arduino IDE
- VS Code
- Teamwork
- Matlab
- Leadership
- Verilog
- Embedded system

UNDERGRADUATE PROJECTS

Final Year Project

Ongoing

Design and Development of a Remote Controlled Agribot for On-Site Soil Testing.

Voice Recognition using MATLAB

Lead

Created a computer program using MATLAB that can recognize and process spoken words.

Electronic Voting Machine

Lead

Built a secure and simple electronic machine to accurately cast and count votes.

Road Segmentation of Chagda Road

Lead

Used image processing to automatically detect and map the boundaries of Chagda Road.

Gesture Based Alphabet Recognition System

Lead

Using Hand Tracking and Machine Learning

CERTIFICATES

Line Following Robot

Certificate of line following robot (Runner Up)

Certificate of Namal Tech Expo(2024)

Head of department (Electrical Engineering)

INTERESTS

- Planting
- Football
- Cricket
- Online Games
- Social Media
- Art