Muhammad Yousaf

Electrical Engineer

Pursuing a Bachelor's degree in Electrical Engineering with strong problem-solving ability. Proficient in C/C++, Python, Verilog, Cisco Packet Tracer, Proteus/PSPICE, and AutoCAD. Skilled in using analytics for technical decision-making and possess excellent communication, leadership, and teamwork skills.

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EDUCATION

BS ELECTRICAL ENGINEERING NAMAL
UNIVERSITY MIANWALI

11/2021 - Present   *CGPA:3.02*

Courses
- Machine Learning
- Data Structures & Algorithm
- Image Processing
- Internet of Things
- Control System
- Introduction to Power Engineering
- Power Electronics
- Electronic Devices & Circuits
- Engineering Workshop
- Electric Machines

INTERMEDIATE (PRE-ENGINEERING)
Superior Group of Colleges Mianwali

05/2019 - 07/2021   *Marks: 982/1100*

WORK EXPERIENCE
Work Study Student Namal University Mianwali CAID

09/2024 - Present
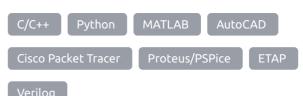
Courses
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Internee Electrical Department
Designmen Consultanting Engineers (pvt) Ltd Islamabad

07/2023 - 09/2024

Achievements/Tasks
- Assisted in electrical system design using AutoCAD, performed load calculations, and supported senior engineers in power distribution analysis.
- Contributed to infrastructure projects such as Gulberg Greens, including technical drawings and procurement-related tasks.

SKILLS

C/C++   Python   MATLAB   AutoCAD

Cisco Packet Tracer   Proteus/PSPice   ETAP

Verilog

PROJECTS

FYP: AI based Rice Classification System
- Developed a cloud-based web application for rice classification using deep neural networks.
- Integrated machine learning models for accurate prediction of rice types from image inputs.

Smart Attendance Management System
- Developed a Smart Attendance Management System using ResNet-50, leveraging deep learning (DL) for face recognition and attendance tracking.

Line Follower Robot using EV3 Brick
- Built an autonomous robot using LEGO EV3 brick and sensors to follow a defined path. Focused on programming logic, and movement accuracy.

Designed 3D model of Electrical Transformer
- Modeled a detailed 3D electrical transformer using AutoCAD for design visualization.

Electrical Load Calculation of University Buildings
- Calculated the electrical load of the university and hostel building, proposing a backup solution focused on load estimation, system reliability, and efficient energy management.

CERTIFICATES

Certificate of appreciation for getting 2nd position at Business Idea Competition. (2025)

Certificate of appreciation for arranging & participation in Namal Tech Expo. (2024)

LANGUAGES

English
Full Professional Proficiency

Urdu
Native or Bilingual Proficiency