



Sheraz Haider

Electrical Engineer

As a highly enthusiastic electrical engineer, I am deeply committed to translating theoretical knowledge into practical application. With a strong background in diverse projects, I possess a passion for designing and developing cutting-edge electrical system

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[utm_source=share&utm_campaign=share_via&utm_content=profile&utm_medium=android_app](https://www.linkedin.com/in/sheraz-haider-463274235?utm_source=share&utm_campaign=share_via&utm_content=profile&utm_medium=android_app)

EDUCATION

Electrical Engineering

Namal University Mianwali

09/2020 - Present

Gujranwala/ Pakistan

FSc Pre-Engineering

Aspire Collage Tatly Aali Campuse

08/2018 - 07/2020

Mariculation (Science Group)

Govt. High School No.1 (Nowshera Virkan)

04/2016 - 04/2018

WORK EXPERIENCE

Assistant of Electrical Engineer

GECPO Nowshera Virkan

08/2022 - 10/2022

Achievements/Capable to handle the work with:

- Protection
- Operations
- Maintenance

CO-CURRICULAR ACTIVITIES

IEEE Namal Student Branch (2021 - 2022)

General Member

Head Of Finance (03/2022 - 09/2022)

Finance

SKILLS

Microsoft Office

Packet Tracer

ETAP

AutoCad

Matlab

PSpice/Proteus Professional

ModelSim

C/C++

Critical Thinking and Problem Solving

Customer service and Public Speaking Skills

PERSONAL PROJECTS

Dual Power Generation System Using Wind turbines And Solar Energy (10/2023 - Present)

- A dual power generation system integrates wind turbines and solar panels to provide uninterrupted electricity. Wind turbines convert wind energy into electrical power, while solar panels harness sunlight to generate electricity. both are using auto tracking system to get maximum output. By combining these renewable sources, the system ensures a consistent energy supply, even when wind or sunlight availability fluctuates.

Installing the Solar Panels in Gujranwala (10/2023 - 01/2024)

- A **12kW solar system** typically requires around **75m² of free space** . If you have limited roof space, consider using high-power output panels like the **400W Trina Vertex S** or **Jinko Tiger Pro** . For properties with expansive roof space, both high and low-power output panels can be used. On average, a 12kW solar system can produce approximately **60 kWh of electricity per day** ,

Enhancing Digital Communication with OFDM, QPSK and BPSK Techniques

- My project focuses on enhancing digital communication using OFDM along with QPSK and BPSK techniques. The objective is to optimize data transmission efficiency by employing these modulation techniques, providing a more robust and reliable communication system. Through the integration of these technologies, the project aims to improve overall communication performance and data throughput.

CERTIFICATES

Office Management (05/2020 - 10/2020)

Scholar Computer College

Namal Society For Social Impact (01/2023 - Present)

Teacher (Student Wing)

LANGUAGES

English

Professional Working Proficiency

Urdu

Native or Bilingual Proficiency

Punjabi

Native or Bilingual Proficiency

INTERESTS

Robotics

Electrical Network Anylasis

Books Reading

Travel To World

Photography