

Hamza Ali Khan

Electrical Engineer

Determined and ambitious individual with a passion for innovation and problem-solving. I possess a strong understanding of electrical systems and principles, with a keen interest in renewable energy and sustainability. Throughout my academic journey, I have demonstrated exceptional critical thinking and analytical skills, coupled with excellent communication and teamwork abilities. I am excited to bring my enthusiasm and technical expertise to a challenging role in the electrical engineering field, and I am confident that I can make a valuable contribution to any organization.



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EDUCATION

Bachelor of Science-Electrical Engineering Namal University Mianwali

09/2019 - 08/2023

CGPA: 3.43

Courses

- Smart Grid
- Digital Image Processing
- Control System
- Renewable Energy System
- Computer Communication Network
- Internet of Things
- Database Engineering
- Electric Machines
- Data Structure and Algorithm
- Introduction to power Engineering

WORK EXPERIENCE

Internship Training KAPCO-Kot Addu Power Company Limited

07/2022 - 08/2022

Kot Addu

I have completed my 6 weeks internship at Kot Addu Power Company Limited (KAPCO) 1600MW.

Achievements/Tasks

- Gained hands-on experience with power generation and transmission systems, including equipment such as generators, transformers, and switchgear.
- Developed an understanding of the principles of power generation and transmission, including all concepts.
- Participated in the operation and maintenance of power generation and transmission equipment.
- Worked with team members to identify opportunities to optimize power generation and transmission processes.

Teacher Assistant Namal University Mianwali

11/2022 - 03/2023

Mianwali

Designed a PV solar based energy system for our university campus using PVsyst Software

ORGANIZATIONS

Namal Sports and Adventure Society (08/2022 - 08/2023)

Cricket Head

IEEE-Naml Student Branch (09/2021 - 04/2022)

Social Media Head

SKILLS

MATLAB (Simulink)

Proteus

MS Office

OrCAD-Pspice,

Power World Simulator

Assembly

ETAP

Canva

Arduino

AutoCAD

Circuit Analysis

MySQL

Communication skills

PERSONAL PROJECTS

Final Year Project

- Hybrid Mode Electric Vehicle Charging Station With Dual Axis Rotation of Solar PV

Undergraduate Projects

- ASK Modulation and Demodulation using 555 Timer.
- Voice Changer using DSP Technique in MATLAB.
- DC-DC Buck Converter operate at Continuous Conduction mode.
- Implementation of LAN Network of Labs of University Campus using different topology techniques on CISCO Packet Tracer.

CERTIFICATES

Industrial Internet of Things(IIoT) - IEEE UET. (2021)

Certificate of Industrial Internet of Things IIoT Workshop.

Lego Workshop - IEEE Namal Student Branch (2021)

Certificate of Lego Workshop

LANGUAGES

English

Full Professional Proficiency

Urdu

Native or Bilingual Proficiency

Saraiki

Native or Bilingual Proficiency

INTERESTS

Innovation & Technology

Cricket

Graphic Designing

Video Editing

Cooking