

Mushafia Sadia Aman

Electrical Engineer

As an Electrical Engineer with a strong background in designing and implementing electrical systems for industrial applications, I am proficient in circuit design, power distribution, and project management. Demonstrated expertise in ensuring compliance with safety standards and optimizing system performance.

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EDUCATION

Bachelors in Electrical Engineering Namal University Mianwali

10/2020 - Present

3.06

Courses

- Digital Image processing
- Wireless communication
- Embedded systems
- Computer Architecture
- Power electronics
- Internet of Things
- Renewable energy sources
- Control systems
- Computer communication networks

PROJECTS

Unifies Millimeter-Wave and Microwave MIMO antenna integration for enhanced 5G applications (2023 - 2024)

- Final Year Project where Multiple input multiple output antenna is designed using HFSS (High frequency structure simulator) involving ground defected technique operating dual band and wideband responses in order to support 5G applications.

ALU Calculator Designing

- Digital logic design (Semester project)

Object And Temperature Sensor Robot

- Embedded System (Semester project)

Library Management (C++, OOP)

- C++/ OOP (Semester project)

Lego Robot Control(Lego Mind storm EV3)

- Control systems (Semester project)

Single Cycle Processor designing

- Computer Architecture processor designs using Verilog and Logisim (Semester project)

IOT based Weather station

- By integrating Wi-Fi module and various sensors with Raspberry pi (Semester project)

Solar system designing

- Load calculation and solar system designing for a building at commercial or domestic level

Designing Software House

- Designed a small software house using Cisco Packet Tracer (Semester project)

WORK EXPERIENCE

Online Teaching Australia

TECHNICAL SKILLS

CAD P-spice

MATLAB

C/ C++/OOP

Assembly, Verilog

AutoCAD

ETAP/Power World Simulator

Proteus / Microsoft Visual Studio

HFSS

Cisco Packet Tracer

ACHIEVEMENTS

Badminton match

Won a prestigious badminton award at the school level and secured the third position at the district level

College level skit

Participated in a skit at the college level and achieved the distinction of winning an award for it

SOFT SKILLS

Self confidence

Problem solving and project management

Cooperative in team work

Time management

Effective Communication

Interpersonal skills

LANGUAGES

English

Professional Working Proficiency

Urdu

Native or Bilingual Proficiency

Persian

Elementary Proficiency

INTERESTS

Badminton

Video editing

Swimming

Horse riding

Books reading