

PERSONAL DETAILS Amir Sajjad (Electrical Engineer)

Major: B.Sc. Electrical Engineering (communication)
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SUMMARY

I enjoy being in a challenging position where my proficiency allows me to continue to learn, and grow. I like to work on situations that test my pragmatic approach to things. The more challenging the problem, the better my enjoyment in tackling it.

EDUCATION HISTORY

University of Engineering & Technology, Peshawar, Bannu Campus
Bachelor of Science in Electrical (communication) Engineering
CGPA: 2.89/4

TRAINING AND INTERNSHIP

National Transmission and Despatch Company (NTDC) (Aug 2021-Oct 2021)
Internee Engineer

Duties & Responsibilities :

- Participate in testing new equipment and relays before deployment
- Help diagnose equipment malfunctions and propose solutions
- Assist in routine checks, inspections, and repairs of grid station equipment

Pakistan Telecommunication Company Limited (PTCL) (Aug 2022-Oct 2022)
Internee Engineer

Duties & Responsibilities :

- Assisted my team in the installation, and configuration of telecommunication services such as broadband connections, landline phones, and digital TV services.
- Participated in network maintenance activities, including routine inspections, testing, and troubleshooting.
- Deal with different customer complaints, and provide them with the best possible solution.

FINAL YEAR PROJECT

Energy Management of an MVDC Grid Containing Renewable Energies

My final year project focused on the integration of renewable energy sources into the Medium Voltage Direct Current (MVDC). I utilized multi-level converters to facilitate this integration, aiming to enhance the efficiency and sustainability of the network.

SEMESTER PROJECTS

- Designed 230V AC-5V DC power supply using Proteus simulation, and its hardware implementation on Breadboard.
 - Electrical wiring of rooms in AutoCAD, and its implementation on hardboard sheet.
 - Designed mobile control car using Arduino UNO
 - Traffic lights controlling using Proteus and its hardware implementation on Breadboard.
 - Automatic Street Lights Using LDR, and Relay using Proteus Simulation
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PROFESSIONAL SKILLS

Technical Skills:

- MATLAB Simulink (Power Electronics section)
- Fiber Optics (Network configuration, splicing, troubleshooting)
- Proteus Simulation
- AutoCAD (2D planning)
- Visual Studio (C++)
- Latex Overleaf
- MS Office (Word, Excel, PowerPoint, Visio)

Organizational skills:

- Led the “Student Welfare Society” as President, overseeing a team of thirty members.

Language Skills:

- Pashto - Native
- Urdu - Competent (reading and writing skills)
- English - Competent (reading and writing skills)

ACTIVITIES & CERTIFICATES

- Served as a President of student welfare society in the university (June 2022- June 2023)
- Certified as an active member of the blood donation society of UET (March 21, 2023)
- 1 Day online seminar on “Application of Elevated Modeling of Wideband Gap Temperature (December 14, 2022)
- Participated as an organizer in Electrical Techno-Venture 2022 (June 8, 2022)

REFERENCES

- **Dr. Salman Atif**
Chairman, Electrical Department, University of Engineering & Technology Peshawar, Bannu Campus, Pakistan
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- **Engr. Irshad Hussain**
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