



Arsalan Latif

Electrical Engineer (Telecom)

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About me

Having technical expertise, problem-solving skills, experience with industry-standard software tools, a strong understanding of emerging technologies, and also can design and maintain Optical, Embedded, and communication systems as a Telecommunication Engineer.

Skills

- OTN & DWDM & LLD & Optical Networks
- Telecom BSS Systems
- Network monitoring and analysis
- 2G, 3G, and 4G Technologies Proficiency
- Proficient in Matlab & Python & C++
- NMS & Technical Expertise
- Embedded System Integration
- MS Office & Data Presentation
- Team collaboration & Communication
- Industry Standard Softwares

Education

- 2019-2023 Bachelor of Electrical Engineering Specialization in Telecommunication CGPA 3.6/4 Bahria University, Islamabad
- 2017-2019 FSC Pre - Engineering Percentage 80% APS Pothwar Complex, Islamabad

Publications

- 2023 Human robot Interaction – Object Detection and Distance Measurement Using Kinect V2.
- 2023 A Security Analysis of Bitcoin-Based Application: Decentralized Energy Trading System.
- 2023 A safety-enhancing framework based on collaborative robots (CoBot) for Industry 4.0.

Awards

- 2023 Best Final Year Project Award
- 2023 Best Brochure Design Award
- 2020 E-Hunt Competition Award

Experience

- 2022 Network Operations Intern AIIT Solutions, Islamabad
Managed daily operations of the Network Operations Center. Monitored and maintained network infrastructure for high availability and performance.
- 2023 Fixed BroadBand Optical Network Engineer Intern Huawei, Pakistan
Experienced in OTN, DWDM, LLD, DCN, HSA, LSA, DBOQ, NMS, Optical Networking and Core Networks

FYP Project

Speed and Separation Monitoring Cobot

Successfully integrated computer vision technology, implemented a camera-based vision system, and Developed intelligent decision-making algorithms to adjust the cobot's speed and trajectory, ensuring safe and efficient movement while adhering to strict safety protocols.

Semester Projects

- 8 Bit processor on FPGA
- PID Controller Design
- Simple Equalizer System (SES)
- Cell PhoneJammer
- Line Following Robot
- IOT Based Home Automation System

Achievements

- 1st Position for best fyp project in Open House Competition
- 1st Position for best Semester Project in E-Hunt Competition
- Got 3 times Merit-based Scholarships & PM Scholarship Laptop

Interests

- Emerging Technologies
- Space Exploration
- Telecommunications Innovations
- Travelling
- Social Work
- Continous Learning

References

Available upon request.