

MUHAMMAD USAMA

ADDRESS: Sector B Street 4 House 172 Sheikh Maltoon MardAN

ELECTRICAL ENGINEER (COMM) | MATLAB | AUTOCAD | MANAGEMENT | CISCO PACKET TRACER EXPERT

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ELECTRICAL ENGINEER (COMM) Highly Skilled Electrical Communication Engineer with Expertise in Designing, Analyzing, and Optimizing Communication Systems. Possesses a Strong Understanding of Electrical Engineering Principles and Specializes in the Development and Implementation of Various communication technologies. Proficient in Communication System Design, digital and analog circuit design, and Network protocols. Committed to Continuous Learning and Staying Updated with Emerging Technologies in the Field of Electrical Communication.

KEY SKILLS: -

Communication System Design Proficient in designing and developing communication systems, including wireless networks, fiber-optic networks, and satellite communication systems. Skilled in analyzing system requirements, selecting appropriate components, and optimizing system performance.

Circuit Design Strong knowledge of analog and digital circuit design principles. Experienced in designing circuits for signal amplification, filtering, and conversion. Familiar with tools such as MULTISIM, MATLAB, PROTEUS.

Network Protocols In-depth understanding of network protocols such as TCP/IP, UDP, and Ethernet. Proficient in network troubleshooting, packet analysis, and network performance optimization.

Testing and Troubleshooting Skilled in testing and troubleshooting communication systems, identifying issues, and implementing corrective measures. Proficient in using testing equipment such as spectrum analyzers, oscilloscopes, and network analyzers.

Project Management Proven ability to manage projects from inception to completion, ensuring timely delivery and adherence to specifications. Skilled in resource allocation, task delegation, and project documentation.

Collaboration and Communication Strong interpersonal skills with the ability to collaborate effectively with cross functional teams and stakeholders. Excellent verbal and written communication skills for conveying complex technical concepts to non-technical audiences.

FINAL YEAR PROJECTS

Project:

(i) "IOT-BASED 1KVA METERING DEVICE FOR SERVER BASED INTERMITTED BILLING SYSTEM"

Project:

(iii) IOT Based home Automation system

PROFESSIONAL QULIFICATION

UNIVERSITY OF ENGINEERING AND TECHNOLOGY MARDAN, KPK, PAKISTAN

Bachelor of Electrical Engineering (CGPA: 3.16) September 2020 – 2024

TUFAIL SHAHEED ARMY COLLEGE MARDAN, KPK PAKISTAN

Faculty of Science (FSc) Pre-Engineering September 2017 – 2019

THE MARDAN MODEL SCHOOL

Matriculation (Science) july 2017

INTERNSHIP PTCL MARDAN (ON-SITE)

JUNE 2023 - AUG 2023

PTCL is the largest telecommunication company in Pakistan, providing a wide range of services, including landline, broadband, and television. Switching experiences with PTCL can vary depending on several factors, such as the location, the type of service being switched and individual circumstances.

Responsibilities / Accomplishments:

Designed and implemented telecommunications networks for clients.

Conducted site surveys and performed network assessments to identify areas for improvement.

Configured routers, switches, and firewalls to optimize network performance and security.

Collaborated with team members to troubleshoot network issues and implement solutions.

INTERNSHIP PESCO MARDAN (ON-SITE)

AUG 2023 - OCT 2023

PESCO is a leading power distribution company in Pakistan, responsible for providing electricity to a large portion of the country.

Responsibilities / Accomplishments:

Assisted in the design and implementation of power distribution systems for industrial and commercial clients.

Conducted site visits and performed system assessments to identify areas for improvement.

Collaborated with team members to troubleshoot power distribution issues and implement solutions.

PROFESSIONAL CERTIFICATES

- MICROSOFT OFFICE
- CHARACTER BUILDING SOCIETY CERTIFICATE
- DEAN'S CERTIFICATE
- OPEN HOUSE PROJECT EXHIBITION (2024)
- INTERNATIONAL SOLAR EXPO (2024)

SOFTWARE SKILLS

- Strong Command Excel Data entries
- MS Office Suite (Word, Excel, and PowerPoint),
- Google trend, Google AdWords
- Gmail, Hotmail, Outlook, MS Project, MS Teams
- Packet Tracer, GNS3, ENsp
- Multisim and AutoCAD

LANGUAGES

- English-C1
- Urdu (Native)
- Pashto (Native)

EXTRA SKILLS

- Time Management
- Project Management
- Teamwork and Good

- Self-Motivation
- Quick Learner and Flexible Personality
- Adaptability

- Creativity

- Leadership