

EMSHAL RAZA KHAN

BS IN TELECOMMUNICATION SYSTEMS

Objective

Highly motivated individual with expertise in Telecom Networks and Data Analytics. Seeking to contribute technical expertise to cutting-edge projects in a collaborative environment.

Education & Certifications

2021-2025

Bahauddin Zakariya University

BS Telecommunication Systems (Ongoing, CGPA 3.73/4)

2024

Coursera - Google

Google Data Analytics Professional Certificate

Projects

➤ **DNS Server Setup on CentOS:**

Successfully configured and deployed a DNS server on CentOS to handle domain name resolution for a network infrastructure. Ensured efficient management of DNS records, improved network reliability, and provided centralized control over domain name requests, optimizing network performance.

➤ **FTP Server Setup on CentOS:**

Configured an FTP server on CentOS to enable secure file transfers within a network environment. Implemented user access controls, ensured data integrity through encryption, and optimized the file-sharing process for improved scalability and security across multiple devices.

➤ **End-to-End Data Analysis - Optimizing Bike-Share Customer Growth:**

Conducted a full-cycle analysis of a bike-share company's ridership data to identify trends and recommend strategies for converting casual users into annual members. Cleaned and transformed raw trip data (approx. 1M+ rows) using SQL and R, addressing missing values and outliers. Created interactive Tableau dashboards to visualize peak usage times, geographic trends, and user demographics. Delivered actionable insights that reduced customer acquisition costs by 15% (hypothetical outcome).

Languages

Urdu	Native language
English	Advance Listener and Reader, Intermediate Speaker and Writer.

Skills

Telecom Systems and Networking Related	Network System Design, Network concepts knowledge (NAT, DNS, FTP, DHCP, Firewall rules), Network Troubleshooting, Computer Hardware and Software Installation, Network services and protocols (HTTP, TCP, UDP, IMAP3, etc), Server management on VMware infrastructures, 2G, 3G, 4G Architecture, Remote access: Telnet, SSH.
Software Proficiency	Microsoft Office Virtualization (VMware) MATLAB Proteus Cisco Packet Tracer & GNS3 OrCAD / PSpice
Operating Systems	Installing and operation of Microsoft Windows Linux (Terminal Commands, Bash/Shell) Enterprise Linux (CentOS, Fedora Linux) Microsoft Windows Server
Computer Languages	Good programming skills (C, C++, SQL)
