

Farzeen Fatima

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EDUCATION

Mehran University of Engineering and Technology (MUET)

Bachelor of Engineering in Telecommunication Engineering | 2020–2025

- Specialized in network security, systems analysis, and telecommunications infrastructure.
- Developed hands-on skills with networking labs and diagnostic tools
- Focused on real-time simulations and network system performance

College of Excellence for Girls

Pre-Engineering | 2019

INTERNSHIP

Pakistan Civil Aviation Authority (PCAA)

Intern | May 2023–June 2023

- Gained practical experience in aviation systems and operations.
- Enhanced technical knowledge of radio communications and network protocols

Code Alpha

Cybersecurity Intern | October 2024–November 2024

- Focused on network security, intrusion detection, and threat analysis.
- Applied tools like Snort for real-time threat detection and mitigation.
- Conducted vulnerability scanning and report writing
- Gained exposure to **network configuration**, real-time alerts, and cybersecurity best practice

PROJECT

Intrusion Detection System (IDS) for Telecommunication Department | 2023–2024 •

Designed and deployed an IDS to protect departmental infrastructure from attacks.

- Simulated real-world cyber threats and implemented Snort for detection and logging.
- Documented system configuration, test cases, and evaluation results.

SKILLS

- **Networking:** TCP/IP, OSI model, Switching & Routing, VLANs, NAT
- **Security Tools:** Snort, Nmap, Wireshark, Zenmap
- **Programming:** Python, C++, C, Java
- **Networking & Security Tools:** Nmap, Wireshark, Zenmap, Snort, GNS3, Packet Tracer, ENSP
- **Platforms & Virtualization:** Linux (Ubuntu, Kali), Virtual Machines (VirtualBox, VMware), Office 365, VPS
- **Engineering Software:** MATLAB, Multisim, Arduino, Streamlit

CERTIFICATION

- CCNA Routing and Switching – Cisco Certified Network Associate
- HCIA Datacom – Huawei
- HCIA Security – Huawei
- Computer Networking – NAVTTC & Coursera
- Crash Course on Python and Automation – Google (Coursera)
- Google IT Support – Coursera