Maryam Murtaza

Electrical Telecommunication Engineer

I am enthusiastic, cooperative, and always eager to learn new things, I believe in service to humanity as my core principle. Being an Electrical (Telecom) Engineer, I'm looking forward to learning new things every day and making sure I am of service to my country.

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EDUCATION

B.E. Electrical (Telecom) Engineering
Military College of Signals, NUST
2018 - 2022   *CGPA 3.03*

A & O Levels
Garrison Academy for Cambridge Studies, Lahore
2013 - 2017

PERSONAL PROJECTS

Machine Learning Based Web Application Firewall SMA3 WAF (Final Year Project)
- SCO Certification
- FICS Stage 3

TCP/IP Client-Server communication model on MATLAB & Python

Designed Transmission lines, Waveguides, & Antennas using HFSS

Network design using Cisco Packet Tracer & network analysis using Wireshark

OWASP TOP 10 using Burp Suite

Implementation of knowledge of Mobile & Satellite Communication
- GSM, 3G, 4G, MIMO
- Handoffs, roaming etc

WORK EXPERIENCE

Intern
MEP Solutions Pvt. Ltd
07/2021 - 10/2021   *Lahore*
Achievements/Tasks
- Costing & Proposing, Building Management System

Intern
NETKOM Technologies Pvt. Ltd
08/2022 - 09/2022   *Islamabad*
Achievements/Tasks
- Scripting, Network Designing, IP Planning

SKILLS

Proteus · Packet Tracer · PCB designing · MS office · Decision Making · Leadership · Team Management · Arduino · C++ · Python · MATLAB · Microcontroller · HFSS · ADS · AutoCAD · HTLM · OOP · Java · Data Structure · Problem solving · Wireshark · Kali Linux · Burp Suite · Figma UI Ux Design · Content writing

ACHIEVEMENTS

Semester Paper – Massive MIMO For Next Generation Wireless Systems

FYP Thesis Research Machine Learning Based Web Application Firewall

Member IEEE NUST (2018 - 2022)

SCO Certification (Final Year Project)

CERTIFICATES

IEEE Workshop Certificate (2018)
PCB Designing

IEEE PSYWSC, PIEAS (2018)

SMA3 WAF FICS Stage 3 (2022)

LANGUAGES

English
Full Professional Proficiency

Urdu
Native or Bilingual Proficiency

INTERESTS

Video Games · Content writing · Travelling