Muhammad Usman Yousaf

Nationality: Pakistani ▪ Date of birth: 07 Dec, 1996

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Objective

To serve an organization that utilizes my potential in the best way and would help to serve my community as well as provide an opportunity to improve my skill and knowledge.

Experiences

Network Operator Center Engineer (VOIP) at GO MOBIT

Description

- Worked at GO MOBIT as NOC Engineer
- SIP trunking
- SBC maintenance and configuration
- Customer support
- Tech support
- MediaCore Soft Switch

Pakistan Telecommunication Company Limited (PTCL)

Description

- 3 months CCNA Training at PTCL Cisco Academy & PTCL Network Operation Centre.
- Worked on Switch Port security, Ether Channeling, Routing & Switching
- Diagnosed network problems involving combination of hardware, software, power and communications issues.
- Implemented WAN and LAN designs in multi-datacenter configurations.
- Monitored network capacity and performance.
- Worked with sustaining engineering teams to investigate and resolve software and hardware defects.

Intern Cisco Regional Academy, CUI, Islamabad

Description

- OSI and TCP/IP models,
- TCP and UDP protocols
- IPv4 addressing
- Subnetting Configuration of VLANs
- DHCP servers

Certification

- Huawei Certified Network Associate (HCIA)

Project and Thesis Details

- **Active Queue Management Algorithms on Linux based Router.**
- Implemented AQM Algorithms on Linux based Router machine configuring server client and router
- To avoid congestion, buffer bloat and to figure out the best Algorithm for multimedia traffic based on Jitter Effect, End-To-End Delay

Projects

- **2016:** Design and Implementation of Cascading Amplifier on Proteus and Designing its hardware on Printed-Circuit-Board.
- **2017:** Design and Implementation of Object Detection using Arduino alongwith algorithm in CProgramming.
- **2017:** Implemented Audio Amplifier based on Signal Processing inSimulink.
- **2018:** Designed Line-Detecting Robot usingMicrocontroller.
- **2018:** Worked on concept of Communication & Networking in CISCOsoftware
- **2019:** Final Year Project: **Active Queue Management Algorithms on Linux based Router.**

Education

2015-2019	**BS Electrical Telecommunication Engineering**
	COMSATS University, Islamabad
2012-2014	**F.Sc Pre-Engineering**
	OPF College for Boys H-8/4, Islamabad
2010-2012	**SSC Matric-Science**
	ICB G-6/3 Islamabad

Key Skills

- HFSS
- Dev C++
- Cisco Packet Tracer
- MATLAB
- Linux
- Word, PowerPoint

Hobbies:

- Video Editing
- Music Instruments
- Movies & Seasons
- Sports