

Suleman Mushtaq

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SKILLS

Languages: C/C++, Python, SQL

Automation: Bash Scripting

Technologies & Tools: Google Cloud (GCP), AWS, EC2, S3, Lambda, BGP, Microsoft Azure, Kubernetes, Docker

EDUCATION

Aalto University, Finland

Sep 2025 - Continue

EIT Digital Masters in Cloud Network Infrastructure and High Performance Computing

Relevant Coursework Path: Laboratory Course in Networking and Cloud Technologies, Advanced Networking, Programming Parallel Computers, Networking at Scale and Advanced Applications, Multimedia Systems, Cloud Software and Systems

Riphah International University, Pakistan

2020 - 2024

BS in Computer Science

CGPA: 3.58/4

Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networks, Artificial Intelligence, Information Security, Web Programming, Blockchain Technology, Design and Analysis of Algorithms, Theory of Automata, Distributed Computing

OBJECTIVE

I am a motivated Master's student specializing in Cloud Network Infrastructure and High-Performance Computing with hands-on experience in Infrastructure as Code (IaC), network protocol implementation. I am seeking an internship to apply skills in enhancing network performance, maintaining reliability, and optimizing infrastructure in a real-world environment.

HANDS-ON PROJECTS

- **IPv4 Lab:** Configured network interfaces and static routes, showcased the RIP protocol, and then replaced it with OSPF implementation; afterward, both protocols were successfully deployed.
- **OpenTofu:** Implemented Infrastructure as Code (IaC) using OpenTofu to deploy virtual machines on Google Cloud Platform (GCP).
- **Operating System:** Using C++ illustrated the working of OS scheduling, deadlocks, memory management, and sophomores.
- **ATM Machine:** Console Application using C++ data structures ATM code was implemented.
- **FYP SmartParkPro:** Making Parking Pro More Convenient and Hassle-Free. An Automated Entry-Exit System using Arduino and Node MCU for Parking Live Display with a Web Application.
- **Home Automation:** Using Arduino Uno, implemented the system to control out home appliances through the Phone. Making Parking Pro More Convenient and Hassle-Free. An Automated Entry-Exit System using Arduino and Node MCU for Parking Live Display with a Web Application.

CERTIFICATIONS

- Introduction to Android Mobile Application Development – Coursera, Meta
- AWS Academy Graduate - Cloud Foundations
- Writing, Running, and Fixing Code in C – Coursera, Duke University
- Python for Data Science, AI & Development – Coursera, IBM
- Determine Shortest Paths Between Routers Using Python – Coursera Project Network
- Process Map Data using C++ Adjacency List Shortest Path – Coursera Project Network
- Oracle SQL Basics – Coursera, LearnQuest
- Oracle Database Foundations – Coursera, LearnQuest
- Problem Solving Using Computational Thinking – Coursera, University of Michigan
- Network Security – Coursera, ISC2