

MUHAMMAD DAYYAN

Computer Scientist

Motivated computer science student from FAST NUCES with strong problem-solving skills and a results-oriented mindset. Seeking programming roles to contribute to company growth while advancing coding expertise. Committed to achieving success in the computer science field.

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📍 Rawalpindi, PAKISTAN

EDUCATION

Bachelors in CS FAST NUCES

09/2020 - Present

Islamabad, Pakistan

WORK EXPERIENCE

Intern - Networking Department NADRA Headquarters

07/2023 - 08/2023

Islamabad

Achievements/Tasks

- Configured H3C switches, specializing in Switch Stacking and Ethernet LAN Switching, contributing to enhanced network infrastructure.
- Conducted Command Line Activities for network configuration and troubleshooting, showcasing proficiency in command-line interfaces.
- Implemented SNMP for efficient network monitoring, contributing to proactive issue identification and management.
- Underwent NSE Training from Fortinet, strengthening cybersecurity skills and contributing to network security measures.

Finance head

FAS - Fast Adventure Society

09/2021 - 05/2022

Islamabad

Achievements/Tasks

- Managed finance of NaSCon'22, a major event of FAST
- Finance officer at adventure gala and marketing gala
- Helped society with budgets

Registration Officer

GDSC - Google Developer Student Club

09/2021 - 05/2022

Islamabad

Achievements/Tasks

- Managed team registrations
- Provided advice to club on the Registration Process; issuing draft registrations; approving amendments and removals; dealing with queries relating to existing registrations

SKILLS

React

DevOps

Node.JS

Networking

Python

C++/C

Solidity

Go lang

Blockchain

Database management

Problem-solving

Machine learning

Leadership

Management

PERSONAL PROJECTS

Street Fighter GameBot

- Python
- Prerequisites BIZHAWK emulator with AI
- Generate a dataset by playing single player, , train a Machine Learning Model

Online Voting Machine

- ELECTEL - Java and JavaFX, SQL
- Grasp design pattern, Business Logic done in Java UI done in JavaFx, Backend in Sql Server

Data Compression Project

- Huffman Encoding - C++

Games

- Bubble shooter - C++
- Ludo - C++
- Candy Crush - assembly language

Microservices Project

- Designed and implemented a project using microservices architecture.
- Applied various DevOps concepts, including continuous integration and deployment.
- Utilized GitHub for version control, Docker for containerization, GitHub Actions for CI/CD, and Kubernetes for orchestration.

Blockchain Implementation in Go Lang:

- Led a group project to develop a Layer 1 blockchain in Go Lang with features such as block creation, Merkel Tree implementation, mining, and verification.
- Successfully implemented network-related functionalities including P2P network creation, bootstrap node setup, transaction propagation, and block mining in a simulated environment with 10 nodes.

CERTIFICATES

Information Security Awareness

The Evolution of Cybersecurity

Fortinet Product Awareness