

# ARSAL MUNIR

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## Education

### NUCES FAST

*Bachelors in Computer Science*

Islamabad, Pakistan

August 2021 – Present.

### Quaid-e-Azam Public College

*F.Sc, Pre-Engineering*

Gujranwala, Pakistan

September 2019 – July 2021

## Skills

**Technical Skills:** Cisco Packet Tracer, Eclipse IDE, Ubuntu, C/C++, MySQL, Proteus, DOS Box (Assembly Programming), Open CV (Image Processing), Python (Machine Learning Models)

**Soft Skills:** Leadership, Adaptability, Time management, Communication skills, Presentation skills and Project Management.

## Academic Experience

### Cisco Networking Simulation – NUCES FAST

April 2024

Developed a complete network including various routing schemes and restrictions and implemented it using Cisco

– *Networking:* Hands-on experience of various networking concepts in a real world-based scenario.

### Hostels Management System – NUCES FAST

September 2023

A full stack application which allows clients and hostel owners to create profiles and maintain bookings. Developed in Java

– *Development:* Developed a full stack application along with database management

### Learn Linker (Faculty Management System) – NUCES FAST

September 2023

A data driven app which retrieves data from SQL database and displays it on multiple interfaces based on log-in credentials from multiple array of users.

– *Database management:* Lead a team of 3 group members to create a web application which retrieves and stores data in an SQL database.

### Maze Runner – NUCES FAST

August 2022

A database storing data in AVL, B, or RB-Trees data structures for faster insertion and retrieval in C++ allowing players to navigate shortest paths through the maze.

– *Programming:* Learned how to manage large amount of data by utilizing trees to optimize the time required for any time of manipulation.

– *People Management:* Managed a team of 3 members and achieved a score of 87/100.

### Multi-Threaded Network – NUCES FAST

December 2023

Designed and developed a multi-threaded neural network using inter-process communication in C++.

– *Operating Systems:* Implemented various OS concepts such as pipes, forks, threads and Locks.

## Extracurricular & Volunteer Experience

### FQSS (Operations Dept.)

May 2022

Arranged and organized multiple events during tenure as deputy head of operations for FQSS.

### Capital Students Club

March 2022

Participated and engaged in multiple activities around the twin cities as member of the club.

## Honors and Awards

### ACADEMIC SCHOLARSHIPS

– Awarded merit-based scholarship of 50% on my college education, worth Rs 58000

2019 – 2021

### ONLINE COURSES

– Microsoft Office Specialist in Word

March 2020

– Microsoft Office Specialist in PowerPoint

June 2020

– Microsoft Office Specialist in Excel

August 2020

### AWARDS AND CERTIFICATIONS

– Microsoft Office Associate

## Interests

Front End, ML, IoT, Computer Vision, Web Development, App Development, Networking & Cyber Security.