

# Muhammad Ali Asghar

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## Objective

Passionate Computer Science undergraduate at FAST NUCES with a strong foundation in Competitive Programming, Software Development, Cybersecurity, Linux, Networking, and low-level programming. Eager to apply technical skills and problem-solving abilities in a professional setting while contributing to innovative projects.

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## Education

Bachelor of Computer Science, FAST NUCES CGPA: 3.4, Session 2022-26

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## Professional Skills

**Technical Skills:** C, C++, Assembly, Embedded Programming MERN Stack (MariaDB, Express, React, Node.js, Tailwind CSS) MSSQL, Python, Cyber Security, Linux

**Soft Skills:** Technical Problem Solving, Critical Thinking, Adaptability, Communication, Presentation Skills, Team Building skills

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## Achievements

- Dean's List: Fall 2022 | Spring 2024
  - Forman Christian College XR Hackathon 2.0(Speed Programing) Winner
  - ICPC Online Preliminaries 2024: Silver Medalist
  - FSPC24 Fast Speed Programming Competition First Runner Up
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## Projects

### MSP – Miniature Student Portal

Developed a compact student portal that enables teachers to manage student attendance, evaluations, and grades efficiently. Implemented using basic fundamentals with an emphasis on core functionalities for academic management.

### Social Networking App – OOP Principles

Designed and built a social networking application inspired by platforms like Facebook to reinforce object-oriented programming (OOP) principles. The app features user registration, profile management, friend connections, status updates, and messaging capabilities.

### Jumping Rabbit 8088 Assembly

Developed a side-scrolling game called "Jumping Rabbit" using 8088 assembly language, run via DOSBox. This project offered an in-depth exploration of low-level programming and system architecture.

### Tech 911 – MERN Stack Web Application

Created Tech 911, an e-commerce web application inspired by AliExpress and Amazon. The platform allows users to browse products, manage shopping carts, and place orders in a dynamic, real-time environment.

### Meet Sphere – Desktop Application in Qt

Developed Meet Sphere, a cross-platform desktop application using the Qt framework. This project is designed to facilitate real-time video conferencing and remote screen sharing, similar to Zoom, and includes an integrated chat system.