Maaz Khan

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PROFESSIONAL OVERVIEW

Motivated final-year Computer Science student at **FAST NUCES**, Karachi, skilled in **C, C++, Python, React, Tailwind CSS**, **ASP.NET MVC** and **Web Form** and **SQL Server**. Passionate about Web Development, AI, and Data Science**,** seeking an internship to apply technical skills to real-world projects.

EDUCATION

Bachelor of Science in Computer Science | FAST-NUCES | **Expected Graduation:** June 2026 | **CGPA:** 3.25
A-levels (2020 – 2022) | Credo College | **Grades:** A, A, B
O-levels (2019-2020) | Karachi Public High School | **Grades:** 5 A*, 2 A, 2 B

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Python, JavaScript
- **Databases:** SQL Server
- **Frameworks:** React JS, .NET Webform, .NET MVC, Tailwind
- **Tools:** Git, Linux, Visual Studio Code, Power BI, Selenium, Manual Testing, Ms Excel

PROJECTS

Employee Management System (.NET WEBFORM)
- Developed a role-based employee management system with secure login, **session management**, and **CRUD operations** using **Grid View** and **ADO.NET**.
- Designed personalized dashboards and access levels for Admin, HR Manager, and Employees based on authentication roles.
- Implemented a consistent UI/UX using **Master Pages** and integrated **SQL Server** for backend data storage.

Car Bazaar (PERN stack)
- Developed a responsive **frontend (React, Tailwind CSS)** and an efficient **backend (Node.js, Express, PostgreSQL)** for vehicle trading and comparison.
- Engineered user authentication, an admin panel, and automated email notifications for seamless management.

Cab Management System (C++)
- Developed a simulation of a **taxi dispatch system** featuring **user authentication, ride booking**, and **fare generation modules**.
- Modelled locations as a **graph structure** and implemented **Dijkstra's algorithm** to compute shortest paths for efficient route planning.
- Simulated multiple interconnected city locations by reading and managing location data from external files.
- Managed taxis and ride requests using queues and utilized object-oriented design principles to ensure modularity and scalability.

Proxy Server (Python)
- Developed a Python-based proxy server to manage client-server communication.
- Implemented request routing to efficiently forward client requests to target servers.
- Enabled support for multiple concurrent connections to improve performance.

EXPERIENCE

Private Tutor
- Tutored **O-Level students in Mathematics**, covering algebra, geometry, and mathematical fundamentals.

Co-Head of Fraction Ahead in Rubik 5.0
- Led the design and development of challenging math questions for the "Fraction Ahead" module in Rubik 5.0, a college-level competitive event.

SOFT SKILLS

- Problem Solving
- Leadership
- Team Collaboration