

# Muhammad Mustaqeem

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Computer Science student and Full-Stack Developer with hands-on experience building web, desktop, and systems applications using React, C#, C++, Python, and SQL. Engineered multiple projects including a 2.6K LOC airline management system, a multi-role job portal, and a real-time collaborative whiteboard supporting 50 concurrent users. Currently focused on advancing into AI Engineering and building scalable, data-driven software systems.

## EXPERIENCE & PROJECTS

### Full Stack Developer - AI/ML Enthusiast

Remote / University Projects · 2024 – Present

#### MediConnect (Full-Stack Web Application) React, Node.js, PostgreSQL

- Developed an online clinic platform enabling patients to book appointments and consult doctors through secure video calls.
- Implemented a role-based system supporting doctors and patients, with administrative verification of doctors using PMDC credentials.
- Designed privacy and security mechanisms aligned with HIPAA-inspired practices, ensuring controlled data access and protection of patient information.

#### Flood Aid Platform (Frontend Developer) – React, C#, MongoDB

- Engineered 20+ React components for a humanitarian aid platform, integrating with C# backend APIs.
- Implemented donation workflows, contact interfaces, and responsive layouts, improving usability and engagement.

#### DSA Insight (Frontend Developer) – React, JavaScript

- Built a web-based algorithm visualization platform, implementing arrays, stacks, queues, hashing, and linked lists.
- Designed interactive animations to help learners visualize algorithm behavior and execution flow.

#### Job Portal System (C# WinForms Developer) – C#, Oracle SQL, OOP

- Developed a multi-role job portal with role-based access control, CRUD operations, and form validation.
- Enabled employers to post jobs and candidates to apply seamlessly, ensuring database consistency.

#### Airline Management System (C++ Developer) – C++

- Engineered a 2.6K LOC modular system with 5 functional modules (Flights, Staff, Reservations, Seat Allocation, Authentication).
- Implemented 28+ procedural functions with full CRUD operations over structured text files.

## SKILLS

### Development

#### LANGUAGES

C++, C#, Python, JavaScript (fundamentals), Assembly Language, React, HTML, CSS

#### DATABASE

PostgreSQL, Oracle SQL

#### IDE

Visual Studio Code & Community, Jupiter Notebook

#### OPERATING SYSTEMS

Windows, Kali Linux

#### VERSION CONTROL

Git & GitHub

## CERTIFICATE

### DSA Fundamentals

SimpliLearn - 2025

### AI Prompt Engineering

Google, Coursera - 2025

## REFERENCES

References available upon request.

## EDUCATION

UET, Lahore – Bachelor of Computer Science, BSCS

September 2024 - April 2028 (Expected)

CGPA - 3.51