

# Resume

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## Abdul Moiz

### Back-end Developer

Email: [contact@moizmoiz.com](mailto:contact@moizmoiz.com)

GitHub: <https://github.com/moizmoizdev>

LinkedIn: <https://linkedin.com/in/moizmoiz>

Portfolio : <https://moizmoiz.com>

Computer Science undergraduate with strong Programming skills in C++ and Python, looking for a software development internship/job to apply technical skills and contribute to real-world systems.

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#### Skills

#### Languages:

- C++ (proficient)
- SQL (proficient)
- Assembly (intermediate)
- C# (familiar)
- Python (proficient)
- Javascript (intermediate)
- Solidity (familiar)

#### Tools/Tech:

- Git/Github
- MySQL
- Github
- Docker
- LevelDB

#### Concepts:

- OOP
- Software Development
- REST APIs
- Async Programming etc.

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## Projects

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### Distributed Blockchain / Semester Project

**Tech Stack:** C++, LevelDB, Cryptographic Hashing, Socket Programming, React etc...

**Description:**

Developed a C++ Distributed Blockchain network where blocks are distributed across nodes using cryptographic hash functions to ensure data integrity and immutability. Implemented wallet balances, mining (Proof of Work), and secure peer-to-peer transactions. Implemented Web UI where backend was connected to front-end using custom APIs. Used LevelDB for lightweight persistent storage and designed the system to handle multiple node instances even in a single desktop (during development phase). More features such as consensus, wallet system, native cryptocurrency, blockchain explorer etc. were also built.

### HealthCare Management System/ Semester Project

**Tech Stack:** Python, FastAPI, DeepSeek API (OpenAI library), Hugging Face (testing), SQL, SMTP (smtplib) etc.

**Description:**

Designed and implemented the AI-powered backend module for a HealthCare Management System. Developed RESTful APIs that allowed the main server to send natural language queries, which were parsed using DeepSeek (after testing with Hugging Face models). Converted AI-generated responses into executable SQL commands to fetch patient data, diagnoses, or treatment records. Added security layers including input validation, Role-based robust restrictions to prevent attacks. Ensured smooth and secure communication between AI layer and database backend. Also integrated email notifications using Python's SMTP library (smtplib).

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## Education

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### Bachelor of Science in Computer Science / Information Technology University

AUGUST 2023 - PRESENT, LAHORE

**CGPA: 3.56**

**Relevant Coursework:** Data Structures & Algorithms, Advanced Database Management, OOP, Computer Networks, AI, etc.

Some of the Projects include:

- Blockchain system (Analysis of Algorithms)
- Healthcare Management System (Software Engineering)
- Text Editor (Data Structures)
- 3D Zombie Game (game dev course)
- Freelancer marketplace (web dev course)
- COVID-19 Diagnosis through Lung X-Ray Images using CNN (Artificial Intelligence)

### Intermediate in Pre-Engineering / F.G Public School

June 2021 - June 2023, Ahmedpur East

**Subjects:** Physics, Chemistry, Mathematics

**Grade:** 87%

Appointed Chief Prefect, leading and supervising all student proctors across the college; responsible for discipline, coordination, and managing student conduct during events and assemblies.