Bilal Shaikh

Software Engineer | Backend & Full-Stack Developer

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SUMMARY

Software Engineering graduate with strong foundations in backend development, data structures, and system design. Experienced in designing and developing full-stack web applications using Python, REST APIs, MySQL, and JavaScript. Skilled in building scalable, secure, and modular applications with clean architecture and optimized database design. Passionate about problem-solving, performance optimization, and writing maintainable production-ready code.

EDUCATION

Master of Science (Cyber Security)

LJ University | 2024 – 2026

- Relevant Coursework:

    Data Structures & Algorithms, Secure Software Engineering, Network Security, Web Application Security

Bachelor of Science (Information Technology)

LJ University | 2021 – 2024

- Relevant Coursework:

    Operating Systems, Database Management Systems, Computer Networks, Software Engineering

PROJECT

SecureLock | MSc (CS) Final Year Project (In Progress)

- Designing and developing a secure application focusing on authentication, access control, and encrypted data storage
- Implementing modular backend architecture following MVC principles
- Applying cryptographic concepts and system security best practices
- Structuring scalable backend components for maintainability and performance
- GitHub: https://github.com/bilalshaikh-code/SecureLock

E-Healthcare Management System | Full-Stack Secure Web Application

- Developed an end-to-end healthcare management system using Python, MySQL, HTML, CSS, and JavaScript
- Designed and implemented RESTful APIs for patient records, appointment scheduling, and user management
- Implemented role-based authentication and authorization (Admin, Doctor, Patient)
- Designed normalized relational database schema with optimized queries
- Integrated secure coding practices to prevent SQL injection and unauthorized access
- Conducted application testing and debugging to ensure reliability and data integrity
- GitHub: https://github.com/bilalshaikh-code/e_healthcare_management

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, SQL, JavaScript
- **Frontend:** HTML, CSS, JavaScript
- **Backend:** RESTful APIs, Django, OOP, MVC Architecture
- **Databases:** MySQL, MongoDB
- **Core CS:** Data Structures & Algorithms, Operating Systems, DBMS, Computer Networks
- **Tools & Platforms:** Git, GitHub, Linux
- **Concepts:** CRUD Operations, Authentication & Authorization, Database Schema Design, Debugging, Secure Coding Practices

LANGAUGE

- **Hindi:** Native
- **English:** Intermediate

CERTIFICATION

Computer Networks and Network Security