

Bilal Shaikh

Software Engineer

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SUMMARY

Motivated and detail-oriented MSc (CS) graduate with strong foundations in software development, backend engineering, and database management. Experienced in building secure, modular, and scalable applications through academic, personal, and final-year projects. Skilled in Python, RESTful APIs, and MySQL, with hands-on knowledge of secure coding practices and system design. Actively contributed to full-stack and backend projects, demonstrating problem-solving abilities and readiness to deliver high-quality software solutions.

EDUCATION

Master of Science (Cyber Security)

LJ University

2024 - 2026

- Relevant Coursework: Advanced Network Security; Web & Mobile Application Penetration Testing; Digital Forensics; Secure Software Engineering
- Key Projects: Designed and implemented custom malware in Python for educational security analysis; Simulated red-team operations, including attack planning, payload delivery models, and post-exploitation workflows

Bachelor of Science (Information Technology)

LJ University

2021 - 2024

- Relevant Coursework: Data Structures & Algorithms; Operating Systems; Database Management Systems; Computer Networks; Software Engineering; Introduction to Information Security
- Key Projects: Travel Management System - Built a database-driven web application for managing travel bookings and user data

PROJECT

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

- Designing and developing a secure application focused on authentication, access control, and data protection
- Implementing security-focused architecture with emphasis on secure coding practices
- Applying concepts of cryptography, system security, and software design
- GitHub: github.com/bilalshaikh-code/SecureLock

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

- Built an end-to-end healthcare management web application with integrated security controls
- Implemented role-based access, authentication, and secure data handling mechanisms
- Conducted red team, blue team, and purple team exercises to identify, exploit, and mitigate vulnerabilities
- Applied web application security best practices and defensive measures
- GitHub: github.com/bilalshaikh-code/e_healthcare_management

SKILLS

- Languages:** Python, Java, SQL, HTML, CSS, JS | **Databases:** MySQL, MongoDB
- Software Development:** Data Structures & Algorithms, Object-Oriented Programming, REST APIs, Backend Development
- Foundations:** Operating Systems, Computer Networks, Software Engineering | **Tools:** Git, GitHub, Linux

LANGUAGE

- Hindi:** Native

- English:** Intermediate

CERTIFICATION

Computer Networks and Network Security