

Bilal Shaikh

Ethical Hacker | Full-Stack Developer



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SUMMARY

Ethical Hacker & Full-Stack Developer passionate about web and network security. Experienced in penetration testing, secure coding, Python automation, and vulnerability assessment, with hands-on projects in CTF challenges, Red/Blue/Purple team exercises, and secure web application development.

EDUCATION

Master of Science (Cyber Security)

LJ University | 2024 - 2026

- Relevant Coursework:

Network Security, Web Application Security, Security Operation Center(SOC), Reverse Engineering & Malware Analyses

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

- Penetration Testing Tools: Nmap, Burp Suite, Metasploit, Wireshark, Nessus, Hydra
- Web Security Testing: SQLi, XSS, CSRF, IDOR
- Programming/Scripting: Python, Bash, JavaScript
- Operating Systems: Kali Linux, Windows
- Security Practices: Network Pentesting, Vulnerability Assessment, Exploitation, OSINT

LANGUAGE

- Hindi: Native
- English: Intermediate

CERTIFICATION

Computer Networks and Network Security