

Professional Summary

Cybersecurity enthusiast with a strong passion for cryptography, network security, and compliance (ISO 27001). Experienced in Cybersecurity fundamentals, and cloud security fundamentals (AWS, GCP, Azure), with a keen focus on threat detection and mitigation. Proficient in several programing and scripting languages, seamlessly integrating secure coding practices into development workflows to enhance software resilience. Dedicated to continuous learning, automation, and cybersecurity innovation, striving to strengthen security operations and develop robust, future-ready solutions.

Experience

Penetration Tester Intern

- Nexus Security | Remote
- Aug 2025 – Present
- Identified and analyzed security vulnerabilities in systems and networks using tools such as Nmap, Nessus, and Wireshark.
  - Assisted in implementing and enforcing security policies aligned with ISO 27001 and NIST standards.
  - Performed security assessments and audits to ensure compliance with industry best practices.
  - Collaborated with IT teams to configure and troubleshoot firewalls, IDS/IPS, and endpoint security solutions.
  - Researched emerging cyber threats and contributed to internal threat intelligence reports.

Projects and Research

PatchWise – AI-powered Vulnerability Management Platform

July 2025

- Built an **AI-driven platform** to **ingest, normalize, and map** multi-source vulnerability data using generative AI for faster threat-to-asset correlation.
- Developed an automated patch advisor to **prioritize high-risk vulnerabilities**, cutting remediation time significantly. Managed user profiles, product data, and order processing within a MongoDB database, incorporating security best practices.
- Created a **natural language security assistant** for quick vulnerability insights, boosting analyst productivity.
- Delivered **customizable risk-based reports**, enhancing executive visibility and compliance readiness.
- GitHub: [PatchWise\\_Github](#)

Infiltrafox – Web Vulnerability Detection Firefox Extension

Jan 2025 – Apr 2025

- Developed a **Firefox extension** to rapidly detect web vulnerabilities including **Cross-Site Scripting (XSS), SQL Injection (SQLi), cookie misconfigurations, improper Content Security Policies (CSP)**, and information leakage.
- Engineered **dual Red Team and Blue Team modes** to provide offensive payloads for penetration testing and tailored mitigation advice for defenders.
- Published publicly on [Infiltrafox\\_GitHub](#)

Author-SPRINGER Book Chapter (Ongoing)

Nov 2024 – Present

- Title :** The Financial Landscape of the Metaverse, Blockchain, Web3, Crypto, and NFTs
- Subtitle :** Modern Strategies for Participating in the Virtual Economy
- Chapter(s) Authored - *Shaping Digital Economies with NFTs in Art, Collectibles, and Virtual Spaces, The Future of Digital Finance-Disruption and Innovation*

Education

VIT Bhopal University – Bhopal, Madhya Pradesh

*B.Tech in Computer Science and Engineering (Cybersecurity and Digital Forensics) | CGPA: 8.51*

The NGP School, Coimbatore, Tamil Nadu

*Class X: 84.5%; Class XII: 85%*

Skills

**Cybersecurity Skills:** Vulnerability Assessment · Threat Management · Security Automation · Cybersecurity · Web Security Testing · Vulnerability Detection.  
**Technologies:** Generative AI · Firefox Extensions · SIEM Tools · Security Automation  
**Programming/Scripting Languages:** Python · Kotlin · Java · JavaScript · SQL  
**Frameworks:** ISO27001, Metasploit, Jetpack Compose

Certifications and Courses

[Certified in Cybersecurity-ISC²](#)  
[Career Essentials in Cybersecurity by Microsoft and LinkedIn](#)  
[Practical Introduction to Quantum-Safe Cryptography-IBM](#)  
[Advanced Programming in Kotlin-Meta](#)  
[Project Management Fundamentals-IBM](#)  
[Foundations of Project Management-Google](#)  
Certified Ethical Hacker (CEHv13)-EC Council (Currently Pursuing)  
[ISO/IEC 27001:2022 Certified Lead Auditor-Mastermind Learning](#) (Currently Pursuing)