

WORK EXPERIENCE

• Cyber Security Intern

May 2025 - June 2025

Codec Technologies

Online

- Actively participated in ethical hacking simulations, gaining hands-on experience in identifying vulnerabilities and understanding the methodologies behind common cyber threats.
- In-depth exploration of web application security, specifically focusing on the OWASP Top 10 risks and their mitigation strategies.
- Practiced cloud security and encryption techniques, while participating in incident response drills

• Cyber Security Intern

June 2025 - July 2025

Elevate Labs

Online

- Performed security scans (Nmap, OpenVAS) and mitigated vulnerabilities by patching systems and configuring firewalls.
- Implemented security measures including firewall rules, traffic analysis (Wireshark), and browser audits to harden systems

TECHNICAL SKILLS

Security Tools: Kali Linux, Splunk, Wireshark, BurpSuite, Nmap, OWASP ZAP, Openstego, Autopsy, Recuva, Maltego, Ghidra, FTK Imager, Sqlmap, Johntheripper, Hydra, Windows powershell

Security Skills: OWASP Top 10, Vulnerability Assessment, SOC, Scripting, Report writing, Cyber Kill chain, OSINT, Stenography, Ethical Hacking, Active Directory, OS Forensics, Web Development, Privilege Escalation

Languages: Python, Java, Bash, MySQL, JavaScript

Frameworks: MITRE ATT@CK, NIST, Metasploit, Volatility, OSINT

Cloud/Databases: AWS (basics), Google Console

Relevant Coursework: Networking, Database Management System, SDLC/SSDLC, Operating Systems, Cyber Laws

PERSONAL PROJECTS

• Pictoshield

A secure graphical password authentication system to replace traditional text-based passwords,

- Implemented SHA-256 hashing with salted hashing (bcrypt) for stored credentials
- Integrated rate-limiting and CAPTCHA to detect automated attacks.

• Aerogriff

A web-based dashboard to monitor real-time drone-captured data

- Secured drone-to-server communication using MQTT with TLS/SSL encryption and certificate pinning to prevent MITM attacks.
- Deployed on AWS/GCP with load balancing (ALB) and auto-scaling groups, ensuring 99.9 farming seasons.

EDUCATION

– Bachelor of Technology in CSE (Cyber Security and Digital Forensics)

2022-26

Vellore Institute of Technology, Bhopal

CGPA: 8.96

CERTIFICATIONS

– **IIT Kharagpur, NPTEL:** Earned a certificate of Cyber Physical Systems.

– **Postman:** Earned a certificate of API Fundamentals Student Expert.

– **Oracle:** Earned a certificate of Java Foundation Associate.

– **TryHackMe:** Earned certificates of Cyber Security Fundamentals.

ACHIEVEMENTS

– **100 days of Code:** Engaged in 100 Days of Code by discussing DSA concepts and optimization techniques, enhancing problem-solving discussions within the coding community. 2023

– **Top 4% on TryHackMe (THM):** Ranked 71659 out of lakhs globally on TryHackMe, demonstrating exceptional cybersecurity skills and achieving the top 4% of participants. 2025

– **Extra-Curricular:** Content team lead at iOS Club and Non-Tech domain lead at Cyber Warriors Club.