Arpit Sivakumar

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EDUCATION

VIT Bhopal University **Jul 2026**
Integrated M.Tech in Computer Science (Cyber Security) *Bhopal, Madhya Pradesh*
CGPA: 8.5/10

CERTIFICATIONS & SKILLS

- **Certifications:** Certified Network Security Practitioner (CNSP), Certified Ethical Hacker (CEH) (in
- progress), Cisco Certified Network Associate (CCNA) (in progress).
- **Technologies:** C++, Python, Bash, PowerShell, Burp Suite, Nmap, Wireshark, Metasploit, Splunk, Git, Snort.

WORK EXPERIENCE

Nuclear Power Corporation of India Ltd. (NPCIL) **Sep 2024 –Dec 2024**
Cyber Security Intern *Surat, Gujarat*

- Performed vulnerability assessments on 200+ Windows endpoints using OpenVAS; uncovered critical BIOS and system policy misconfigurations.
- Enforced USB port lockdowns on 100+ non-critical systems by hardening BIOS policies, curbing external device misuse by 70%.
- Facilitated interactive phishing and password hygiene workshops for 50+ employees using tailored training modules, improving awareness scores by 40%.
- Delivered detailed vulnerability reports with exploit severity ratings; coordinated patching with Seqrite to achieve remediation within 72 hours.

PROJECTS

Security Information and Event Management (SIEM) Solution **Feb 2024 – Present**

- Architected a centralized SIEM using Splunk to ingest and correlate firewall (UFW) logs, authentication logs, and system logs from 50+ Linux systems, enabling real-time visibility.
- Designed Splunk dashboards and tailored rules to detect login anomalies and privilege escalation, increasing detection accuracy by 35%.
- Optimized Splunk alert logic and thresholding to reduce false positives by 43%, leading to a 32% faster average incident response time.

Recon Crawler **Jan 2024 – Present**

- Scripted automated subdomain enumeration using Python with Subfinder, Shodan API, and Nmap, discovering 100+ assets and reducing manual reconnaissance efforts.
- Designed a scalable recon system with task queues and structured output, reducing manual effort by 70%.
- Enhanced 100+ discovered assets with WHOIS metadata and fingerprinted technologies using Wappalyzer, increasing bug bounty targeting efficiency.

Private GenAI Hub Deployment **Nov 2023 – Jan 2024**

- Deployed a secure Ollama server on Ubuntu 22.04 to host LLaMA 3 models for research, supported by 3TB RAID-10 storage and LUKS AES-256 full-disk encryption.
- Automated encrypted backups via rsync, enabling disaster recovery within 15 minutes and maintaining 90.1% uptime over 3 months.

CO-CURRICULAR & INTERESTS

- Ranked Global Top 200 at HackTheBox International CTF (April 2024) among 10,000+ participants worldwide.
- Event Coordinator, Linux Club: Organised 3+ CTFs, conducted Linux workshops, and mentored over 50 students.
- Core Member, OWASP Club: Conducted 3 workshops on OWASP Top 10 vulnerabilities for over 200 attendees.
- Interests: Capture The Flag (CTF) competitions, AI-driven security research, Linux system administration.
- Languages: English (Fluent), Hindi (Native), Tamil (Native), Gujarati (Fluent).