Arpit Sivakumar

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EDUCATION

VIT Bhopal University   **Jul 2026**
Integrated M.Tech in Computer Science (Cyber Security)   *Bhopal, MP*
- **CGPA: 8.52/10**
- **Relevant Coursework:** Network Security, Ethical Hacking, Cryptography, Digital Forensics.

WORK EXPERIENCE

Nuclear Power Corporation of India Ltd. (NPCIL)   **Sep 2024 –Dec 2024**
Cyber Security Intern   *Surat, GJ*
- Conducted vulnerability assessments on 200+ Windows endpoints using OpenVAS, identifying misconfigurations in BIOS and system policies that posed critical risks.
- Recommended USB port lockdowns through BIOS policy hardening on 100+ non-critical systems, reducing external device misuse by 70%.
- Delivered phishing and password security training for 50+ employees using custom awareness modules, resulting in a 40% improvement in security awareness scores.
- Authored detailed vulnerability reports and coordinated with Seqrite for patching, enabling remediation within 72 hours of identification.

PROJECTS

SIEM Solution   **Feb 2024 – Present**
- Developed a centralized SIEM using Splunk to ingest and correlate firewall (UFW), authentication, and system logs from 50+ Linux systems, enabling real-time visibility.
- Configured Splunk dashboards and correlation rules to flag failed logins and privilege abuse, increasing detection accuracy by 35%.
- Tuned alert rules to reduce false positives by 43% and accelerated incident response time by 32%.

Recon Crawler   **Jan 2024 – Present**
- Automated subdomain enumeration using Python scripts with Subfinder, Shodan API, and Nmap, reducing manual recon workload by 70%.
- Implemented queue-based scanning and organised outputs into 120+ text files for compatibility with downstream analysis and tooling.
- Enriched 100+ discovered assets using WHOIS data and tech stack fingerprinting, improving bug bounty targeting efficiency.

UPI Advisor   **Nov 2024 – Feb 2025**
- Developed a full-stack web app to crowdsource reports on suspicious UPI IDs. Engineered comprehensive RESTful API for reporting, retrieving, and commenting on suspicious UPI IDs.
- Implemented Redis caching, improving API response times by 60% and reducing database load by 40%.

CERTIFICATIONS & SKILLS

- **Certifications:** Certified Network Security Practitioner (CNSP), Certified Ethical Hacker (CEH) (in progress).
- **Technologies:** C++, Python, Bash, PowerShell, Burp Suite, Nmap, Wireshark, Metasploit, Splunk, Git, Snort.
- **Languages**: English (Fluent), Hindi (Native), Tamil (Native), Gujarati (Fluent).

CO-CURRICULAR & INTERESTS

- Ranked Global Top 200, HackTheBox International CTF, 2024.
- 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.