Nikhil Nagpure

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EDUCATION

- **VIT Bhopal University** — India
  B.Tech in Computer Science (Cybersecurity Specialization) — *June 2021 - June 2025*
  CGPA: **8.26**/10

TECHNICAL SKILLS

- **Cybersecurity**: Penetration Testing, Vulnerability Assessment, Ethical Hacking, SIEM,
- **Programming**: Python, Java, C++, SQL
- **Tools & Platforms**: Linux, Burp Suite, Wazuh, Wireshark, Metasploit, Nmap, Nessus, Kali Linux
- **Networking**: TCP/IP, Firewalls, IDS/IPS, Packet Analysis, OWASP

CERTIFICATIONS

- Certified Ethical Hacker (CEH) – EC-Council
- Certified Network Security Practitioner (CNSP) – The SecOps Group
- HPC Data Structures and Algorithms (C++) – IAmneo

WORK RELATED EXPERIENCE

- **Freelance, Swnk** — June 2024 - Present
  Freelance — *Remote*
  - Led a 5-member team to deliver secure web development solutions, achieving a 70% client retention rate by implementing tailored security strategies and vulnerability assessments.
  - Launched secure website hosting services for 3+ clients, reducing vulnerabilities by 60% through robust security configurations and penetration testing.
  - Streamlined operations by establishing standardized procedures, improving team efficiency by 25% via effective task coordination and automation.
  - **Link:** swnk.in

- **Ethical Hacking Intern, Internship Studio** — November 2023 - December 2023
  Cybersecurity Internship — *India*
  - Identified and mitigated 18 Cross-Site Scripting (XSS) vulnerabilities in 5 web applications, reducing attack surface by 90% through ethical exploitation and secure coding practices.
  - Authored detailed vulnerability reports, reducing remediation time by 40% by providing actionable mitigation strategies and patch recommendations.
  - Designed and implemented advanced cybersecurity lab environments, simulating real-world threats to upskill 12 team members, enhancing practical expertise by 50%.

PROJECTS

- **Offensive Scanner: Security Testing Tool** — March 2024 - Present
  Lead Developer
  - Engineered a Java-based security scanner, detecting 100+ vulnerabilities across 10+ networks by implementing multithreaded port scanning and reconnaissance modules.
  - Enabled ethical hackers to identify 50+ critical vulnerabilities per scan, improving network security assessments by 40% through automated testing.
  - Designed a modular architecture, reducing scan time by 35% via optimized threading and YAML-based configurations.
  - **Tech Stack:** Java, Maven, YAML, Multithreading, CLI
  - **GitHub:** github.com/5h4d0wn1k/offensive-scanner

- **Open-Source SIEM Platform** — October 2024 - January 2025
  Lead Developer and Architect
  - Developed a scalable SIEM platform, improving threat detection by 40% by integrating Python-based log correlation and machine learning algorithms.
  - Reduced false positives by 25% through optimized threat detection algorithms and real-time log analysis.
  - Created a Next.js frontend with dynamic threat visualization, enhancing user interaction by 50% and enabling faster incident response.
  - **Tech Stack:** Python, Next.js, Machine Learning, Threat Detection
  - **GitHub:** github.com/5h4d0wn1k/enterprise-siem-platform

ACHIEVEMENTS & ACTIVITIES

- Achieved 36th rank in CyVIT CTF at VIT Bhopal, competed in DSA Dash, Smart India Hackathon, and Kavach (March 2023).
- Secured top 12% ranking among 100,000+ TryHackMe users by solving 200+ cybersecurity challenges, actively contributed on LeetCode and Hack The Box, and served as core member of Health O Tech Club at VIT Bhopal (July 2021).