

EDUCATION

<ul style="list-style-type: none"><li><b>VIT Bhopal University</b> <i>B.Tech in Computer Science (Cybersecurity Specialization)</i> CGPA: <b>8.26</b>/10</li></ul>	India June 2021 - June 2025
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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

<ul style="list-style-type: none"><li><b>Freelance, Swnk</b> <i>Freelance</i><ul style="list-style-type: none"><li>• Directed a 5-member team to deliver cybersecurity solutions, achieving a 95% client retention rate by implementing tailored security strategies and vulnerability assessments.</li><li>• Launched secure website hosting services for 3+ clients, reducing vulnerabilities by 80% through robust security configurations and penetration testing.</li><li>• Streamlined operations by establishing standardized procedures, improving team efficiency by 25% via effective task coordination and automation.</li><li>• <b>Link:</b> <a href="https://swnk.in">swnk.in</a></li></ul></li><li><b>Ethical Hacking Intern, Internship Studio</b> <i>Cybersecurity Internship</i><ul style="list-style-type: none"><li>• 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.</li><li>• Authored detailed vulnerability reports, reducing remediation time by 40% by providing actionable mitigation strategies and patch recommendations.</li><li>• Designed and implemented advanced cybersecurity lab environments, simulating real-world threats to upskill 12 team members, enhancing practical expertise by 50%.</li></ul></li></ul>	June 2024 - Present <i>Remote</i> November 2023 - December 2023 <i>India</i>
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PROJECTS

<ul style="list-style-type: none"><li><b>Offensive Scanner: Security Testing Tool</b> <i>Lead Developer</i><ul style="list-style-type: none"><li>• Engineered a Java-based security scanner, detecting 100+ vulnerabilities across 10+ networks by implementing multithreaded port scanning and reconnaissance modules.</li><li>• Enabled ethical hackers to identify 50+ critical vulnerabilities per scan, improving network security assessments by 40% through automated testing.</li><li>• Designed a modular architecture, reducing scan time by 35% via optimized threading and YAML-based configurations.</li><li>• <b>Tech Stack:</b> Java, Maven, YAML, Multithreading, CLI</li><li>• <b>GitHub:</b> <a href="https://github.com/5h4d0wn1k/offensive-scanner">github.com/5h4d0wn1k/offensive-scanner</a></li></ul></li><li><b>Open-Source SIEM Platform</b> <i>Lead Developer and Architect</i><ul style="list-style-type: none"><li>• Developed a scalable SIEM platform, improving threat detection by 40% by integrating Python-based log correlation and machine learning algorithms.</li><li>• Reduced false positives by 25% through optimized threat detection algorithms and real-time log analysis.</li><li>• Created a Next.js frontend with dynamic threat visualization, enhancing user interaction by 50% and enabling faster incident response.</li><li>• <b>Tech Stack:</b> Python, Next.js, Machine Learning, Threat Detection</li><li>• <b>GitHub:</b> <a href="https://github.com/5h4d0wn1k/enterprise-siem-platform">github.com/5h4d0wn1k/enterprise-siem-platform</a></li></ul></li></ul>	March 2024 - Present October 2024 - January 2025
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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).