

AYUSH VERMA

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Technical Skills

- **Cybersecurity Tools:** Nmap, Burp Suite, Wireshark, Gobuster
- **Programming:** Python, Bash, JavaScript, C, C++
- **Web Frameworks:** Django, Node.js
- **Version Control:** Git, GitHub
- **Other:** OSINT, Reconnaissance, Linux basics

Certifications

- CISCO Junior Cybersecurity Analyst Career Path
- CISCO Ethical Hacker

Security Training & Hands-on Experience

- Performed hands-on web application security testing through **PortSwigger Web Security Academy**, covering XSS, authentication vulnerabilities, access control issues, and OWASP Top 10 attack classes.
- Conducted reconnaissance, vulnerability scanning, exploitation, and enumeration on **Hack The Box** retired machines and security challenges.
- Participated in **Hack The Box Season 9**, solving real-world style penetration testing and defensive-security labs.
- Earned the **Cisco Junior Cybersecurity Analyst Career Path** certification, covering Threat Detection, Cyber Best Practices, Privacy And Data Confidentiality, Network Vulnerabilities.
- Earned the **Cisco Ethical Hacker** certification, covering Social Engineering, Pentesting Tools, Exploiting Networks, Ethical Hacking, Reporting, Vulnerability Assessment, Exploiting Applications, IoT Security, Vulnerability Scanning, Penetration Testing.

Projects

OpenSight -Passive Reconnaissance

NextJs

- Designed and developed OpenSight, a passive reconnaissance web platform that automates OSINT workflows.
- It includes domain-to-IP resolution, subdomain enumeration, GitHub repo gathering, WHOIS lookups, technology fingerprinting, TLS/certificate inspection, security header analysis, and cloud storage exposure detection.
- Implemented multi-source intelligence correlation using public APIs and heuristic analysis (Google DNS, CHAOS, GitHub Search, WHOIS, HTTP headers) to improve accuracy and reduce false positives.
- Built a modular Next.js architecture with API routes and reusable frontend cards, enabling scalable reconnaissance modules.

Contribution in HACKTOBERFEST2024

NextJs

- Contributed to multiple open-source web projects (Django, Next.js).
- collaborated through PRs, issue triaging, and secure coding improvements.

Education

Banaras Hindu University

2023 – 2025

Master of Computer Applications (MCA)

Christ Church College, Kanpur

2020 – 2023

Bachelor of Science (B.Sc.)

Future objectives

- Completing CompTIA Security+ and HTB Certified Penetration Testing Specialist (HTB CPTS)
- Participating in HackTheBox season 10
- learning as much as i can from upcoming and existing cve's