

# AYUSH VERMA

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## Objective

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Aspiring Cyber Security Intern and MCA student with hands-on experience in both offensive and defensive security, including penetration testing, vulnerability assessment, threat detection, and incident response. Practical experience with reconnaissance, scanning, enumeration, exploitation, log analysis, and security monitoring through Hack The Box and lab environments.

## Education

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<b>Banaras Hindu University</b> Master of Computer Applications (MCA)	2023 – 2025
<b>Christ Church College, Kanpur</b> Bachelor of Science (B.Sc.)	2020 – 2023

## Technical Skills

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- **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

## Training & Hands-on Practice

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- Completed several **PortSwigger Web Security Academy** labs covering XSS attacks, authentication flaws, access control, and other OWASP concepts.
- Solved medium-level retired machines and challenges in **Hack The Box**
- participated in **HTB Season 9**.
- Currently preparing for **CompTIA Security+** certification.

## Projects

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**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.

## Certifications (In Progress)

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- CompTIA Security+ (Studying)

## Additional Information

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- Strong interest in ethical hacking, application security, and cybersecurity research.
- Enthusiastic learner with a focus on practical labs and real-world security tools.