Ansh Verma

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Summary

Third-year B.Tech student in Computer Science and Engineering with a focus on Cybersecurity and a minor in CMOS VLSI & RTL. Drawn to the space where security meets hardware, whether it's digging into system loopholes or pushing circuits to work smarter. Always looking for challenges that demand both creativity and technical depth. Currently expanding my skills through hands-on industry experience and open to future opportunities that allow me to apply and deepen my security expertise.

Education

B. Tech in Computer Science & Engineering | The NorthCap University, Gurugram | 2023-2027
Specialization: Cyber Security | CGPA: 7.82
High School | Indian School Al Maabela, Oman | X (2020)- 81% | XII (2023) – 69%

Technical Skills

- **Programming Languages:** Java, HTML

- **Core Concepts:** Web & Mobile Penetration testing, SOC, Forensics

- **Cybersecurity Tools:** Linux, Wazuh, MOBSF, Nmap, Nikto, Nessus, Burp Suite, Metasploit, OllyDbg, Ghidra, Basic Cobalt Strike & Zabbix, Data Encryption, Android Studio, ADB

- **Database Management:** MySQL, MongoDB

Soft Skills

- Problem-Solving & Logical Thinking

- Communication & Team Collaboration

Experience

Cyber Security Associate Intern | SecureITlabs | Bahrain   Nov 2025 – Present
- Authored security SOPs and operational documentation to streamline processes and enhance consistency across security workflows.
- Conducted log analysis and SOC monitoring using Wazuh and Zabbix to identify, validate, and escalate security events.
- Performed mobile and web application penetration testing aligned with industry standards to identify vulnerabilities and support remediation

Intern | Simpra Advanced Technology LLC | Muscat,Oman   Jun 2025 – Aug 2025
- Conducted penetration testing and vulnerability assessments on web apps, networks, and infrastructure using tools like Burp Suite, Nmap, Nikto, WPScan, and Hydra.
- Executed security testing to identify SQL injection, XSS, authentication flaws, and other vulnerabilities, configured Aruba access points and switches for secure deployment.
- Documented findings with remediation recommendations to strengthen overall security posture

Intern | Opal Marketing and Industry | Muscat,Oman   June 2024 – July 2024
- Installed and maintained secure hardware, servers, and CCTV systems
- Provided troubleshooting and network support to reduce downtime
- Gained practical experience in IT operations and security practices

Projects

Disaster Management Drone
- Developing an advanced disaster management drone for real-time aerial surveillance, thermal imaging, and AI-based object detection to aid emergency response.
- Selected for the NIDAR competition and awarded ₹2,10,000 funding by the Vice Chancellor of The NorthCap University.
- Collaborating with a multidisciplinary team on robotics, AI, and aeronautical engineering for project

Azure-Powered Phishing Email Analyzer (Local Dashboard)
- Built a local web dashboard using Azure AI Language (Text Analytics) to analyse phishing emails.
- Generates risk scores, verdicts, and key signals (phrases, sentiment, entities, URL and sender flags).

Certifications

- Database Foundations - Oracle Academy - 2025
- AWS Academy Cloud Foundations - Amazon Web Services – 2023
- ThreatOps Challenge – SentinalOne – 2025
- Foundations of Cyber Security – Google – 2024
- Introduction to Data Analysis using Microsoft Excel – Coursera – 2024

Achievements

- Awarded a VC Fund for a project of 2 lakh rupees
- Presented abstract on "Flexible Electronics: Real-World Applications" at the IEI Faridabad Summit, 2025
- Authored a research paper titled "A Secure and Reliable Blockchain Framework for Cyber-Physical Medicine Supply Chains"

Positions of Responsibility

- Vice President of International Relations Office
- Coordinator of Career Services and Alumni Relations