

Mehank Sahoo

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Summary

Proactive and results-driven Computer Science student with a strong dual focus on Cybersecurity and AI/ML. Leveraging hands-on experience from multiple internships and projects to build robust and scalable solutions. Proven ability to apply technical skills in Python and Java to develop real-time systems, perform vulnerability assessments, and implement security protocols. Eager to contribute a versatile skill set in software development, cloud security, and AI-driven automation to a forward-thinking team.

Education

Vellore Institute of Technology

Bachelor of Engineering: Major in Computer Science; Minors in Cybersecurity and Digital Forensics
CGPA: 8.08/10.0

Bhopal, India

Expected May 2026

Skills

Programming Languages: Python, Java

Operating Systems: Linux, Windows

Cybersecurity Tools: Wireshark, Kali Linux, Nmap

Concepts: Object-Oriented Design, Data Structures, Algorithms,
Cloud Security, Vulnerability Assessment.

Languages: Fluent in English, Hindi, Marathi

Certifications

Foundations of Cybersecurity (Google)

AWS Cloud Practitioner Essentials (AWS)

DevOps and Cyber Security (IBM)

HTML, CSS, and JavaScript (Johns Hopkins)

Work Experience

Intrainz Training Intern-

Cybersecurity Intern (8 employee venture-backed recruitment startup)

Bangalore, India

Dec 2023 – Feb 2024

- Executed hands-on labs focused on vulnerability scanning and system hardening using **Kali Linux**, contributing to the assessment of security alerts and traffic anomalies.
- Performed penetration tests in a simulated environment to identify vulnerabilities and provided initial threat analysis.
- Identified and reported on a minimum of 10 vulnerabilities during each penetration test.
- Utilized tools such as **Nmap**, **Wireshark**, and **Nessus** for testing and analysis.

University of Wollongong-

Cybersecurity Immersion Intern

Al Sufouh, Dubai

Jun 2024 – Jul 2024

- Analyzed cloud infrastructure for potential threats, integrating AI-based monitoring tools to detect and report on security alerts. This experience aligns with the use of AI/ML mentioned in the Aladdin Data description.
- Assessed cloud infrastructure for security misconfigurations and implemented IAM policies, providing a baseline for security monitoring operations.
- Identified and remediated 10+ security misconfigurations across the cloud infrastructure.

Projects

Cryo Packet Sniffer

Security Software Developer / Feb 2024

- Developed a real-time packet sniffer to monitor network traffic and analyze event data, enabling users to detect and filter for malicious traffic anomalies. This demonstrates experience in building and testing automation solutions, which is a key requirement for all three roles.

Ligamentro Sign Language Recognition

Front-End & App Developer / May 2025

- Developed a TensorFlow/OpenCV-based sign language recognition system, achieving 91% accuracy by optimizing CNN architectures. This highlights your skills in AI/ML, which is a plus for the Aladdin Data role.
- Deployed as an Android app with real-time camera processing, showcasing your ability to deliver a final product.

Extra-Curricular Activities

NHAI Hackathon – SMART & SAFE HIGHWAYS: AI-Driven FOB (Participant)

India | 2025

- Designed an AI-based solution to enhance pedestrian safety, aligning with the interest in AI/ML and automation.
- Collaborated in a team to prototype and present a real-time alert system, demonstrating teamwork and communication skills.