

# Sambhav Mehra

sambhavmehra07@gmail.com | 9993016789 | <https://www.linkedin.com/in/sambhavmehra> | <https://github.com/sambhavmehra>

## SUMMARY

A highly motivated cybersecurity student with a strong foundation in threat analysis and vulnerability assessment. Built an AI-driven web vulnerability scanner focused on OWASP Top 10 detection and developed a real-time SIEM integrated with IDS for automated threat response and centralized logging. Proven problem-solving skills demonstrated by securing 1st place in a college-level CTF competition. Eager to apply technical expertise to protect digital assets and strengthen organizational security.

## SKILLS

**Cybersecurity & Offensive Security:** Ethical Hacking, OWASP TOP 10, Nmap, Metasploit, BurpSuite, Wireshark, OWASP ZAP, Vulnerability Analysis.

**Security Operations (SOC):** Log Analysis, Microsoft Sentinel, KQL, SIEM, Incident Response.

**Programming Languages:** Python, C++, JavaScript

**Web Development & Frameworks:** HTML, CSS, Flask, React, Streamlit.

**Networking & Core Concepts:** Networking(TCP/IP, DNS, Packet analysis, Firewall, DHCP), Cryptography, CCNA

**Tools & Platforms:** Git, Github, MetaMask, Ganache.

**Operating System :** Linux, Windows

## PROJECTS

### Secure Electronic Health Records

- SEHR is a blockchain-based system that lets patients securely upload, manage, and share medical data with full privacy, integrity, transparency, and controlled access through a decentralized architecture.

### Integration of SIEM with IDS

- Developed a real-time IDS and SIEM system that monitors real-time network traffic, detects threats using rule-based and ML techniques, auto-blocks malicious IPs, and provides centralized logging and alerting for rapid incident response.

### VulnSage – AI Web Vulnerability Scanner

- Built an AI-driven web vulnerability scanner for OWASP Top 10 detection using automated crawling, smart scanning, browser-based testing, and AI-based risk reporting and prioritization.

### SOAR SOC Assistant

- Developed a real-time SOAR platform for SOC teams with Integration of virtual chatbot assistant, AI powered incident analysis, automate response, auto block threats, AI report generation etc.

## EDUCATION

### Sagar Institute of Science & Technology, Bhopal -MP

Bhopal -MP

Bachelor of Technology (CSE – Cyber Security)

Jan 2022 - Present

- Current CGPA: 7.13

### Model Higher Secondary School, Ujjain - MP

Ujjain - MP

Higher Secondary

Jan 2022

- 79.4 %

### Model Higher Secondary School, Ujjain - MP

Ujjain - MP

Senior Secondary

Jan 2020

- 79.6%

## CERTIFICATIONS

- Ethical Hacking Training: Hacker Academy
- Practical Cyber Security for Cyber Security Practitioners: NPTEL | IIT Kanpur
- Certified Ethical Hacker (CEH): Skill India
- CCNA (Cisco Certified Network Associate): Cisco Networking Academy
- Python Essential: Cisco Networking Academy

## ACHIEVEMENTS

- NCC ‘A’ Certificate: Earned after successfully completing basic training under the National Cadet Corps (Army Wing), demonstrating discipline, leadership, and teamwork.
- 1st place in CTF event “Crack the Hack”: Secured 1st place in the college-level CTF event “Crack the Hack”.