

Sahukara Satwik

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Visakhapatnam, Andhra Pradesh

SUMMARY

Cybersecurity Researcher with hands-on experience in threat detection, incident response, malware analysis, and SIEM tools like Splunk and Wazuh. Proven track record of reducing incident response times, fortifying network defenses, and conducting advanced penetration testing. Passionate about using proactive strategies to combat real-world cyber threats in cloud and enterprise environments.

KEY COMPETENCIES

- SOC Monitoring & SIEM Incident Response & Threat Detection
- Malware Analysis & Reverse Engineering
- Vulnerability Assessment & Penetration Testing
- Network Forensics & Log Analysis
- Proactive Problem-Solving
- Critical Thinking
- Effective Communication
- Team Collaboration

PROFESSIONAL EXPERIENCE

C3iHUB

Cyber Security Intern

December 2024 – Present
IIT Kanpur

At C3iHUB, I am currently enhancing my expertise by developing a comprehensive threat model tailored to the organization's unique digital landscape. This internship has provided an excellent opportunity to expand my skill set in threat analysis and risk mitigation. Key aspects of this role include:

- Threat Modeling & Risk Assessment: Developing a comprehensive threat model to identify vulnerabilities and design effective mitigation strategies.
- Strategic Security Enhancement: Collaborating with cybersecurity professionals to integrate best practices and strengthen the organization's overall security posture.
- Advanced Security Analysis: Leveraging my experience from previous roles, I apply network security analysis techniques to ensure that the threat model reflects current cyber threat trends and vulnerabilities.

Secure Smith

Cyber Security Researcher

October 2023 – December 2024
Ahmedabad

At Secure Smith, I have been deeply involved in securing network infrastructures through detailed vulnerability assessments and penetration testing. My role has enabled me to build and refine a robust security framework while developing key technical skills. Key responsibilities and skills include:

- Conducted in-depth security evaluations using industry-standard tools like Burp Suite, Wireshark, Nmap, and Nessus to identify vulnerabilities and simulate attack scenarios for enhanced security.
- Enhanced organizational threat intelligence by identifying zero-day vulnerabilities and mapping attack trends.
- Accelerated incident response through proactive threat detection with Wazuh SIEM tool.
- Deployed honeypots as decoys within the network to lure and analyze malicious activities, improving threat detection and response.

ACADEMIC PROJECTS

Collecting artifacts from Active Directory

February 2024 - July 2024

- Applied forensic techniques to collect and analyze Active Directory artifacts for security incident simulation.
- Simulated SMB Relay attacks to identify authentication flaws and proposed hardened protocols, improving domain security posture.
- Provided actionable recommendations for strengthening SMB security, emphasizing the need for enhanced authentication protocols.
- Gained practical experience in Active Directory security assessments, furthering understanding of common attack vectors and mitigation strategies.

Safeguarding the Online Content and Privacy

April 2023 - June 2023

- Enhanced online content security and user privacy through the implementation of targeted security measures.
- Developed and deployed security protocols to protect sensitive data from unauthorized access.
- Improved privacy practices and ensured compliance with relevant data protection standards.
- Strengthened understanding of data lifecycle management and the importance of proactive privacy controls in online environments.

EDUCATION

Master of Science in Cyber Security

National Forensic Sciences University

August 2023 – April 2025

CGPA - 8.25

Bachelor of Science in Forensic Science

GIET Degree College

January 2020 – June 2023

CGPA - 8.14

AWARDS & RECOGNITIONS

IIT Kanpur - CTF

All India Cybersecurity CTF Rank Holder

July 2024
