Sriram Rayala

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Professional Summary

Cybersecurity Analyst Intern with hands-on experience in threat analysis, vulnerability management, and incident response. Proficient in tools such as Nessus, Wireshark, and endpoint detection solutions, with working knowledge of security frameworks like NIST and ISO 27001. Demonstrated ability in writing incident reports, runbooks, and risk assessments. Skilled in analyzing security events, collaborating across teams, and supporting enterprise security through effective controls, documented policies, and tool-driven investigation. Strong communicator with a keen interest in securing complex systems.

Education

University at Albany, SUNY   May 2026
M.S. in Digital Forensics and Cybersecurity   GPA: 3.95/4.0

Vellore Institute of Technology, Bhopal   June 2024
B.Tech in Computer Science (Cyber Security & Digital Forensics)   GPA: 8.72/10

Cybersecurity Focus Areas

- Risk & Vulnerability Assessment
- Incident Detection & Response
- Security Monitoring & Compliance
- Web Application Security
- Malware Analysis

Technical Skills

Tools: Burp Suite, Nessus, Wireshark, Security Onion, Wazuh, Splunk Snort, Autopsy, Metasploit, ELK Stack, Endpoint Detection & Response tools, Next-Generation Firewall, Microsoft Sentinel
Languages: Python, SQL, HTML, Bash
Concepts: Vulnerability Assessment, Threat Analysis, Risk Assessment, Incident Response, Network Forensics, SIEM, Cyber Security Policies, Linux, OSINT
Frameworks: NIST, ISO 27001 **Other:** Microsoft Office Suite, Canva

Professional Experience

Cybersecurity Analyst Intern, New York State Education Department Nov 2024 – Present

- Supported the Information Security team in risk assessments by analyzing alerts from MSISAC, conducting passive reconnaissance, reviewing firewall and endpoint detection logs, and engaging with users to evaluate and mitigate threats. Authored 30+ detailed incident reports.
- Created runbooks and technical documentation for the vulnerability management process using Nessus and Qualys; analyzed scan reports, generated tailored Jira tickets, and collaborated with Security Operations and different program unit managers to ensure timely remediation, resolve technical issues.
- Utilized next-generation firewalls, endpoint detection tools, and internal digital forensics systems to monitor, investigate, and respond to security events and incidents, supporting enterprise threat analysis and maintaining system integrity.

Cybersecurity Intern, Code Grills   Sep 2023

- Built Android pentesting home-lab; conducted OSINT research.
- Worked extensively on Linux systems for practical security testing.

Projects

Web Vulnerability Scanner Integration   Python, Nmap

- Integrated tools into a unified scanner with over 90% accuracy.
- Minimized false positives using Python-based logic.

Malware Analysis Home-Lab   FLARE VM, REMnux

- Analyzed Zeus Trojan; identified 10 unique IOCs.
- Automated traffic and script analysis using Bash & Wireshark.

Incident Analysis using Wireshark & Security Onion   Wireshark

- Investigated PCAP traffic to identify IOCs and timeline.
- Created a detailed incident report based on Wireshark and Security Onion data.

Certifications

- Cisco Junior Cybersecurity Analyst Career Path
- Certified Cyber Security Analyst – Cyber Warfare Labs
- Certified Network Security Practitioner – SecOps Group
- Practical Web App Security & Testing – TCM Security
- Pragmatic Cybersecurity with Python – CDAC Hyderabad

Extracurricular

Research Paper: SCADA Vulnerabilities and Impact on Cyber Warfare (Dec 2022)
Linux Club Member, VIT-Bhopal: Led 3+ workshops and open-source sessions.
CVE Club – Blue Team: Performed pentesting on college sites using Nessus/OpenVAS.

Languages

English (Proficient) | Telugu (Native) | Hindi (Proficient)