V. MOHAN AADITYA
CYBER SECURITY ENGINEER

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Summary

Cybersecurity Engineer with a strong foundation in red teaming, blue teaming, and security auditing. Skilled in identifying vulnerabilities, enhancing system defenses, and supporting secure infrastructure operations. Experienced in simulating real-world attack scenarios, monitoring threats, and ensuring compliance with security standards. Committed to continuous learning and delivering effective, security-focused solutions that strengthen organizational resilience.

Experience

Security Analyst Intern, Securis360 | Sept 2024 - April 2025

- Conducted network and web application VAPT along with security auditing and threat/risk analysis, delivering 350+ detailed analysis and remediation reports that strengthened security posture and supported compliance initiatives.

CTF Enthusiast & Bug Bounty Hunter | 2023 - Present

- Participated in 10+ Capture-the-Flag (CTF) challenges, practicing web exploitation, reconnaissance, and exploit development, while recently beginning bug bounty research on Bugcrowd to build skills in ethical hacking, vulnerability discovery, and responsible disclosure.

Education

SRM IST RAMAPURAM | 2021-2025

B. Tech CSE with Specialization in Cyber Security, CGPA: 8.94

Skills

- **Core Competencies:** Penetration Testing, Vulnerability Assessment, Incident Response, Threat Detection, Threat Analysis, Security Auditing, Threat Hunting, Risk Analysis, Governance Risk & Compliance (GRC), ISO 27001, NIST CSF, MITRE ATT&CK
- **Tools & Frameworks:** Kali Linux, Burp Suite, Wireshark, Metasploit, Splunk, CrowdStrike Falcon, OpenVAS, Nessus, Nmap, Ghidra, Autopsy, Active Directory, pfSense, VMware
- **Security Expertise:** Web Application Testing, Network Security, Malware Analysis, Digital Forensics, OSINT, Reverse Engineering (basic), Cloud Security (Azure), Security Monitoring, Vulnerability Management, Secure Coding Practices, SIEM Analysis

Projects

- **Geo-Fenced Firewall** – Configured IP-based geo-blocking rules in pfSense, achieving 96.9% block rate on unauthorized traffic during testing, simulating real-world perimeter defense.
- **Password Manager** – Developed a secure password manager with encrypted local storage, tested with 50+ credentials, demonstrating safe credential handling and cryptography implementation.
- **Malware Analysis Lab** – Analyzed 10+ malware samples in an isolated lab, extracted IOCs, and created detection signatures, boosting SOC malware detection capability.
- **Keylogging Tool (PoC)** – Designed and tested a sandboxed keylogger on 3+ systems, demonstrating keystroke capture techniques and creating mitigation strategies.
- **Windows AD Lab** – Deployed a 3-domain Active Directory environment, practiced 5+ privilege escalation techniques, and implemented domain hardening policies.
- **Ransomware Simulation** – Created a basic ransomware model that encrypted 20+ test files, allowing study of encryption behavior, persistence mechanisms, and recovery techniques.

Additional Information

- **Languages:** English, Telugu, Hindi, Tamil, Japanese
- **Certifications:** Networking Basics | Ethical Hacking – Cloud Computing | Common Malware Attacks | Kali Linux | Cyber Forensics | Android Bug Bounty | SQL Injection | Linux Security | SysTools SEFE & SIRE
- **Hobbies:** Interested in Capture-the-Flag (CTF) events, sports, reading tech blogs, and continuous skill-building in cybersecurity.