Syam Prakash Maddineni

+1(913)-238-4060 | msprakash2907@gmail.com | Linkedin | GitHub

SUMMARY

Aspiring cybersecurity specialist with hands-on experience in vulnerability management, threat detection, and incident response. Demonstrated success in reducing critical vulnerabilities and automating security processes using PowerShell and advanced monitoring tools. Currently pursuing advanced studies in Computer Science, with practical exposure from simulated SOC environments and team-driven projects. Passionate about cybersecurity, eager to further develop skills through targeted industry training and certifications.

EDUCATION

University of Central Missouri *Aug 2024 - Present*
master's, Computer Science

Velagapudi Ramakrishna Siddhartha Engineering College *Aug 2020 - Oct 2024*
Bachelor's, Information Technology

EXPERIENCE

Log(N) Pacific *Mar 2025 - May 2025*
Cyber Security Support Analyst (Vulnerability Management & SecOps Intern)
- Conducted vulnerability scans, assessments, and compliance audits (DISA STIG) using Tenable, reducing critical vulnerabilities by 100%, high by 90%, and medium by 76% while leveraging expertise in operating systems and cybersecurity certifications.
- Automated vulnerability remediation and secure configuration tasks through PowerShell scripting, reinforcing best practices in firewall/NSG configuration and alignment with industry training.
- Executed proactive threat hunting with Endpoint Detection and Response (EDR), developed custom Microsoft Defender detection rules, and automated isolation of compromised systems, demonstrating a genuine passion for security and collaborative project work.
- Designed and deployed Microsoft Sentinel dashboards for real-time monitoring of malicious activities, integrating hands-on technical development with industry training and operational expertise.

INDIAN SERVERS *October 2023 - March 2023*
Cyber Security Intern
- Simulated bug bounty hunting using OWASP tools and Burp Suite to discover vulnerabilities in web applications.
- Conducted internal lab-based port scans with Nmap to assess system exposure and service enumeration.
- Built a custom vulnerable Node.js server environment to practice exploitation techniques such as OTP bypass and malware emulation.

PROJECTS

Vulnerability Management and Threat Hunting Projects | https://github.com/CyberSyam007
- Platforms and Technology Used: Tenable.io, SIEM (Microsoft Sentinel), EDR (Defender for Endpoint), Azure VMs, KQL.

Mini Security Operations Center with honey net
- Deployed and hardened an Azure-based honeynet integrated with Microsoft Sentinel and Log Analytics for Continuous Monitoring and rapid response to security incidents and malicious flows.

CERTIFICATIONS

- CompTIA Security+, Google CyberSecurity Professional, BTL1, LetsDefend SOC learning path.

ADDITIONAL SKILLS AND TECHNOLOGIES

- **Technical Skills**: Endpoint Detection and Response, CVE/CWE Management, OWASP Top 10, Firewall/NSG Configuration, Operating Systems, Information Security .
- **Security Frameworks**: NIST 800-37: Risk Management Framework, NIST 800-53: Security and Privacy Controls, NIST 800-61: Computer Security Incident Handling Guide, NIST 800-40: Guide to Enterprise, CVSS Scoring, Risk Prioritization, Vulnerability Remediation.
- **Scripting And Automation**: PowerShell Scripting, BASH Scripting.

VOLUNTEERING EXPERIENCE

- **Computer Society of India,** IT Department President *March 2022 - May 2023*

  Successfully organized and led intercollegiate technical events, including Cybersecurity Talks, Bug Hunting Competitions, and Coding Marathons, fostering active industry engagement.
- **Make A Difference (MAD)**, Education Support *January 2021 - June 2022*

  Mentored and educated underprivileged children in English and Mathematics, enhancing their academic performance