VISHRANTH MSK

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EDUCATION

Vellore Institute Of Technology, Chennai   *Jul 2021 – Jul 2025*
BTech in Computer Science Engineering With Specialisation In Cyber Physical Systems   *CGPA: 8.61*

Padma Seshadri Bala Bhavan Senior Secondary School, Chennai   *Jun 2006 – May 2021*
Computer Science   *Grade : 89.4%*

EXPERIENCE

Cybersecurity Consultant   *Sept 2025 – Present*
LTIMindtree   *Chennai*

- Managed the end-to-end vulnerability management lifecycle using Qualys VMDR, ensuring comprehensive asset discovery across on-premise, cloud, and containerized environments.
- Collaborated closely with remediation teams to analyze scan results, reducing false positives by 30% and improving scan accuracy for faster risk mitigation.
- Conducted CIS benchmark assessments across servers, network devices, and cloud systems, automating workflows to reduce remediation timelines by 45%.
- Supported ISO 27001 internal audits by aligning vulnerability management processes and access controls with international security standards.
- Assisted with container security initiatives and deployment, contributing to improved cloud security coverage.
- Mentored junior analysts on scan optimization, Qualys automation, and compliance checks, helping improve overall team efficiency.

Key Project – Power Virtual Agent Chatbot (Individual Contribution)

- Designed, built, and deployed a Power Virtual Agent chatbot integrated with Qualys APIs and ServiceNow to support & streamline vulnerability management operations.
- Automated vulnerability reporting by extracting RITM details (hostname, IP address) from emails and generating reports within 1–1.5 minutes with 100% accuracy.
- Streamlined vulnerability workflows, significantly reducing manual effort and contributing to measurable cost savings for the organization.

Cybersecurity Analyst Intern   *Aug 2023 – Sep 2023*
Archetype Group   *Chennai*

- Gained hands-on experience analyzing OWASP Top 10 web application vulnerabilities, including XSS, SQL injection, and related issues using PortSwigger.
- Applied the Cyber Kill Chain framework to understand attacker tactics, techniques, and the various phases of intrusion.
- Conducted penetration testing exercises using tools such as Nmap, DNSHarvester, Hydra, Google Dorks, and Burp Suite.
- Performed vulnerability scans and documented findings to support improvements in the organization's overall security posture.

PROJECTS

Keylogger - Mail Intergration   🐙 Code *Mar 2024 – Apr 2024*

- Designed and implemented a Python-based keylogger to understand keystroke monitoring mechanisms at the operating system level for defensive security analysis.
- Implemented real-time keyboard event interception to simulate common spyware and credential-harvesting techniques used in malware.
- Logged captured keystrokes to structured files to support behavioral analysis and incident simulation.

Recon Automation Tool $\bigcirc$ Code *Aug 2023 – Sep 2023*

• Developed an automated reconnaissance tool using Python, Shell scripting, and Docker to streamline repetitive information-gathering tasks during security assessments.

• Implemented a web-based interface for initiating domain and organization reconnaissance, with Telegram-based notifications to provide real-time scan updates and improve assessment efficiency.

SKILLS

Programming & Scripting: Python, SQL and Bash Scripting

Operating Systems: Linux/Unix, Windows

Networking Fundamentals: OSI, TCP/IP, DNS, HTTP/HTTPS

Security Tools & Platforms: Splunk (SIEM), Qualys VMDR (CA, CSAM, GAV, API)

Application Security: Web Application Penetration Testing, OWASP Top 10

Penetration Testing Tools: Metasploit, Nmap, DNSDumpster, Dirbuster, Hydra, Whois, Google Dorks, Burp Suite

Cloud & Platform Security: AWS Security, Kubernetes Security

Compliance & Security Frameworks: CIS Benchmarking, ISO 27001, NIST Cybersecurity Framework

Security Operations: Vulnerability Management, Risk Prioritization, Security Tool Monitoring

CERTIFICATIONS

- CompTIA Security+ [CompTIA]
- Google Cybersecurity Professional [Google]
- Qualys Certified VMDR Specialist [Qualys]
- AWS Certified Cloud Practitioner [AWS]
- Cisco Certified Linux Essentials [Cisco]

SELECTED PUBLICATIONS

1. ***Comparative Analysis of Transformer-Based Models for Bail Prediction Using HLDC Dataset***
   Presented at IEEE Region 10 Technical Conference (TENCON) 2025, Singapore
   ★ **Best Paper Award**

ACHIEVEMENTS AND EXTRA-CURRICULARS

- Placed 2nd out of 50 teams in an CTF Contest conducted by VIT, Chennai.
- Placed 3rd in Inter-school state level hockey tournament conducted by CBSE.