HARI SHANKAR BAKKAMANTHULA

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Professional Summary

Motivated Cybersecurity student and aspiring Security Analyst with a strong focus on Defensive Security, Incident Response, and Security Monitoring. Gaining hands-on experience through internships and academic projects in malware analysis, log monitoring, and vulnerability assessment (VAPT). Skilled in detecting and mitigating security threats, investigating incidents, and implementing protective measures.

Technical Skills

- **Security Tools & Technologies:** SIEM, Wireshark, Nmap, Metasploit, Burp Suite, Firewall Management

- **Security Domains:** Malware Analysis, VAPT, Incident Response, Log Monitoring, Forensic Investigation

- **Programming Languages:** Python, Java, C, SQL, Bash Scripting

- **Security Operations:** Threat Detection, Phishing Analysis, Vulnerability Assessment, Security Breach Resolution

- **Documentation:** Security Assessments, Incident Reports, Security Recommendations, Audit Support

Professional Experience

Cyber Security Intern

Tinkering Hub, Parul University   December 2024 - Present

- Engineered an advanced malware scanner using heuristic and signature-based detection, achieving a 90% success rate in identifying threats.

- Developed a browser extension leveraging real-time URL analysis to detect and prevent phishing attempts, enhancing user security awareness.

Cyber Security Intern

SkillVertex   December 2024 - January 2025

- Executed Vulnerability Assessment and Penetration Testing (VAPT) on simulated environments, identifying critical system weaknesses and creating detailed reports with security recommendations for remediation.

Certifications

- Google Cloud Cybersecurity Professional Certificate – Google Cloud

- Ethical Hacking Essentials (EHE) – EC-Council

- C3SA Premium Edition – Cyber Warfare Labs

- AWS Cloud Practitioner Essentials – AWS Training and Certification

- Cyber Forensic and Ethical Hacking – CYFOEDU

- Introduction to OSINT – Security Blue Team

- Kali Linux – Chegg Skills

- Cybersecurity Fundamentals – IBM SkillsBuild

- Introduction to Cybersecurity – Cisco Networking Academy

Projects

- **Antivirus Malware Scanner:** Windows-based security solution for detecting and mitigating malware threats.

- **Phishing Mail Detector:** Browser extension identifying and preventing phishing attempts with real-time alerts.

- **Web-Based Malware Scanner:** Signature-based online tool for efficient malicious file detection.

- **Network Packet Monitoring Tool:** Application capturing and analyzing network traffic to detect security anomalies.

- **Password Strength Analyzer:** Tool evaluating password complexity and improving security practices.

Achievements

- Third Place in CTF HackArise – The Hackers Meetup x Parul University.

- Successfully completed Cybersecurity Workshop and CTF challenges from Cyber Unbound.

- Participant in Hakxite Hackathon** – Successfully participated in the event, demonstrating technical skills and teamwork.

- Participant in DATA DIVE – Successfully participated in the event organized by WIE IEEE of BPIT, showcasing analytical and problem-solving skills.

Education

B.Tech in Computer Science Engineering - Specialization in Cybersecurity
Parul University, Vadodara   2022 - Expected Graduation : 2026

Intermediate - MPC (11th & 12th)
Sri Sarswathi Junior College, Ongole   2020 - 2022

Matriculation(AP State Board)
Sri Rama Krishna E.M High School,Ongole   2010-2020