VEERA BHADHRA RAO KUNKALAGUNTLA

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Summary

Cyber Security undergraduate with hands-on experience building Python-based security tools for Android application analysis, network reconnaissance, log analysis, and automated security reporting. Experienced in Android APK reverse engineering, network security assessment, and AI-assisted security workflows using Kali Linux, Wireshark, Burp Suite, MobSF, JADX, and Python. Seeking internship opportunities in Security Operations (SOC), Digital Forensics, Incident Response, and Cyber Investigation.

Education

Parul University **Expected Graduation: June 2027**

Bachelor of Technology (B.Tech.) in Cyber Security *Vadodara, Gujarat*

Projects

AI SOC Copilot | *Python, FastAPI, React, Gemini API, SQLite* **2025**

- Designed a Security Operations (SOC) investigation assistant using FastAPI, React, Gemini API, and Python to automate security analysis workflows.
- Designed a multi-agent investigation pipeline to perform alert triage, threat intelligence analysis, MITRE ATT&CK mapping, IOC extraction, and incident response recommendations.
- Implemented REST APIs, SQLite persistence, and interactive dashboards to streamline SOC investigation workflows and incident tracking.
- Generated structured incident reports to accelerate SOC investigations and response documentation.

Android Credential Leakage Detector | *Python, APKTool, ReportLab, JSON* **2025**

- Developed a modular Android APK security analysis framework to detect hardcoded credentials, insecure storage patterns, and weak network configurations.
- Implemented static APK inspection using APKTool alongside runtime evidence analysis to identify credential leakage and application security risks.
- Built a correlation engine that combines static and runtime findings to produce risk assessments and structured JSON and PDF security reports.
- Generated categorized findings with severity classification and exportable PDF security assessment reports.

Cyber Recon Toolkit | *Python, Socket Programming, PyPI, Multithreading* **2025**

- Built a modular Python cybersecurity toolkit integrating reconnaissance, network scanning, and forensic utilities through a unified CLI.
- Integrated reconnaissance modules including WHOIS, DNS enumeration, multithreaded port scanning, phishing detection, and log analysis into a unified CLI framework.
- Built an automated security assessment engine that consolidates findings into JSON, CSV, and PDF reports with risk classification and executive summaries.
- Published the toolkit on PyPI, enabling simplified installation and distribution as an open-source cybersecurity utility.

Technical Skills

Programming: Python, Java, C, SQL
Security Tools: Burp Suite, Wireshark, MobSF, APKTool, JADX, Nmap
Frameworks & Libraries: FastAPI, React, SQLite, ReportLab
Networking: TCP/IP, DNS, HTTP/HTTPS, Network Reconnaissance, Port Scanning
Operating Systems: Kali Linux, Linux, Windows
Technologies: Git, GitHub, JSON, Regex, REST APIs, Socket Programming, Multithreading
Security Areas: Security Operations (SOC), Android Security, Digital Forensics, Cyber Investigation, Log Analysis, Vulnerability Assessment

Certifications

Cybersecurity Foundation Student Certificate

Network Security Fundamentals Student Certificate

Vadodara Hackathon 6.0 Achievement Certificate