Rama Ramana Sharma Parnandi

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Education

The Ohio State University, Masters in Computer Science and Engineering — Sept 2024 - May 2026

- **Coursework:** Software Engineering for AI, Software Security, Malware Analysis, Network Security

VIT-AP, Bachelors in CSE with specialisation in Networking and Security — Sept 2020 – July 2024

- **Coursework:** Programming with Java, Data Structures and Algorithms, Cybersecurity, Digital Forensics, Secure Coding

Technologies and Skills

Languages: Java, Python, Swift, SQL, JavaScript, C

Technologies: ELK stack, OpenSearch, Suricata, Zeek, Cowrie, Wazuh, AWS, Nmap, Wireshark, Nikto, Ghidra, Volatility, Snort, Git, GitHub

Skills: Ubuntu, Kali Linux, IDS, IPS, Honeypots, System Configuration, Ubuntu Server, UBA, SIEM, Cybersecurity, Digital Forensics, Reporting, Word, Excel

Experience

Student Data Specialist, ICDT – Columbus, Ohio — Feb 2025 - Present

- Designed and constructed a centralized database and dashboard system to manage ICDT's financial and course-related data, thereby enhancing accessibility and reporting efficiency.
- Evaluated reporting requirements, identified critical datasets, and structured data pipelines to facilitate recurring analysis and data exports.
- Engaged in regular meetings with the supervisor to align reporting efforts with organizational goals.

Projects

Blocking Malicious IP's using Suricata — link

- Implemented a Python code that fetches malicious IP's using a API call of AbuseIPDB and writes a rule file for suricata, which works as an IPS system
- Tools Used: Python, Suricata

SIEM, Alerting System — link

- Developed and implemented a cutting-edge SIEM solution utilizing open-source tools such as HELK to proactively identify and mitigate Zerologon Vulnerability, reducing potential security breaches by 75%.
- Tools Used: HELK, ElastAlert, Docker, Kafka, Winlogbeat

Advance Pcap Xray — link

- Implemented automated Pcap Analysis (Automated Pcap Xray v2) tool which produces an interactive graph with details like ISP info and maliciousness of the actor/IP
- Tools Used: Python, AbuseIPDB, PcapXray, Zeek

Certificates

Cyber Security 101 - TryHackMe — link

Play It Safe: Manage Security Risks - Google — link

Cloud Security Fundamentals - Palo Alto Networks — link

Introduction to Cybersecurity Tools and Cyber Attacks - Coursera and IBM — link