Sasi Kumar Medabalimi

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PROFILE

Aspiring cybersecurity professional with a strong foundation in Networking, Penetration testing, and Secure coding principles. Passionate about information security, eager to apply technical knowledge in real-world scenarios, and continuously upskilling through hands-on labs and certifications. Seeking an entry-level role to contribute to the security posture of a forward-thinking organisation.

PROJECTS

Personal Firewall using Python
- Built a simple real-time personal firewall using Python and Scapy to monitor, log, and block suspicious network traffic.
- Used JSON-based custom rule management for blocking IPs and ports.
- Added live traffic logging and packet inspection functionality.

Web Application Vulnerability Scanner
- Developed a Python-based tool to automate scanning of web applications for common vulnerabilities like SQL Injection, XSS, and CSRF.
- Utilised requests library for HTTP requests and BeautifulSoup for HTML parsing.
- Added features like URL validation, form detection, and basic HTML report generation.

Packet Sniffer with Alert System
- Built a live network sniffer that detects suspicious traffic patterns and alerts based on protocol (e.g., ICMP/UDP).
- Real-time alert system for unwanted traffic
- Detected IPs, protocols, ports with auto-filter.

SKILLS

- **Kali Linux** - Worked on it for pentesting labs and practice setups
- **Burpsuite** - Analysed requests, exploited XSS/SQLi in web apps
- **Wireshark** - Captured & analysed network packets, identified suspicious traffic
- **Nmap** - Scanned networks, found open ports/services during labs
- **Nessus** - Ran vulnerability scans and checked reports
- **ZAP** - Did automated scans and verified issues manually
- **OWASP Top 10** – Learned and tested most of the common web app issues
- **Splunk** – Checked SIEM logs, spotted suspicious login attempts

PROFESSIONAL EXPERIENCE

Cyber Security Intern
Intern 🔗
- Built multiple **hands-on cybersecurity projects**, covering areas like web application security and SOC monitoring.

- Discovered and documented vulnerabilities (SQLi, XSS, CSRF, Command Injection) with professional security reports mapped to OWASP Top 10.

- Analysed SIEM logs in Splunk, identified suspicious activities (failed logins, multi-IP attempts), and drafted an **Incident Response Report**.

- Gained exposure to **OWASP Top 10, SIEM operations, and secure development practices**.

EDUCATION

B-Tech, CSE   Nov 2021 – May 2025
Andhra Loyola Institute of Engineering and Technology   Vijayawada, India
CGPA : 7.63

Intermediate, MPC   Jul 2019 – Apr 2021 | Ongole, India
Narayana Junior College
Percentage : 89%

CERTIFICATES

Web Application Pentester 🔗 — Indian Servers

Introduction to Cybersecurity 🔗 — Cisco Networking Academy

Cybersecurity Intern — Redynox

LINKS

LinkedIn: https://www.linkedin.com/in/sasi-kumar-m-2a39a1265/ 🔗

GitHub: https://github.com/Sasi-15 🔗

DECLARATION

I declare that the information presented in this resume is true and accurate to the best of my knowledge. I assure you that experience, Skills, and qualifications meet the requirements of the job and I am committed to making a positive contribution to your organization.