Adireddy Pavan

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Objective

Cybersecurity student with hands-on experience in threat analysis, vulnerability assessment, and network monitoring. Seeking an entry-level SOC/Cybersecurity Analyst role to strengthen organizational security and incident response capabilities.

Technical Skills

Languages: C++, C, JavaScript, Python, HTML, CSS
Technologies/Frameworks: Wireshark, Metasploit, Nmap, Burp Suite, Git, Linux
Skills: Problem-Solving, Team Player, Project Management, Adaptability

Internship

Royal Spike Ventures LLP **Feb 2025 – Mar 2025**
Networking Intern ***Remote***

- Gained hands-on experience in configuring, maintaining, and troubleshooting enterprise-level LAN/WAN networks.
- Worked with Cisco TAC for device diagnostics and escalation support; utilized PuTTY for remote CLI configuration and management.
- Performed packet analysis and traffic monitoring using Wireshark to identify and resolve network issues.

Projects

Secure Chat Application **Oct 2024 – Dec 2024**

- Developed an end-to-end encrypted chat application using Python to ensure secure real-time communication.
- Implemented AES and RSA encryption algorithms to achieve message confidentiality, integrity, and authentication.
- Integrated user authentication and session management with a logging mechanism for auditing and traceability.
- **Technologies Used:** Python, AES/RSA, Flask, MySQL
- **GitHub:** github.com/adireddy-pavan/Real-Time-Secure-Chat-Application

Custom Web Security Scanner **Apr 2024 – May 2024**

- Built a Python-based scanner to detect vulnerabilities like SQLi, XSS, and CSRF.
- Integrated scanning of HTTP headers and SSL/TLS configurations for misconfigurations.
- Configured automated email alerts for detected vulnerabilities.
- **Technologies Used:** Python, Nmap, OWASP ZAP, SMTP
- **GitHub:** github.com/adireddy-pavan/Custom-Web-Security-Scanner

Capture The Flag (CTF) Experience

- Participated in cybersecurity CTF challenges focused on web exploitation, network analysis, privilege escalation, and digital forensics.
- Practiced vulnerability assessment and incident investigation using real-world attack simulations.
- Analyzed and solved security challenges involving web vulnerabilities, packet analysis, reconnaissance, and system exploitation techniques.
- Utilized tools such as Burp Suite, Wireshark, Nmap, Metasploit, and Linux-based environments during challenge-solving activities.

Certifications

- **CompTIA Cybersecurity Professional (Network+, Security+, PenTest+, CySA+)** **Aug 2025**
- **QuickHeal Certified Digital Forensic Investigator** **Jan 2025**
- **QuickHeal Certified Malware Analyst** **Dec 2025**

Achievements

- **Successfully completed AI Security and Prompt Injection challenges focused on LLM security testing, jailbreak techniques, context manipulation, and prompt injection attack scenarios.**
- **Earned recognition for completing hands-on AI security CTF-style exercises involving prompt injection and AI system security assessments.**
- **CompTIA (CSAP,CNVP,CNSP) Certified Professional**

Education

Lovely Professional University **Jalandhar, Punjab**
B.Tech in Computer Science and Engineering ***2022 – 2026***

Bhashyam Junior College **Guntur, Andhra Pradesh**
12th with Science ***2020 – 2022***