

LOKESH LANKALAPALLI

480.810.7048 • lankalapallilokesh20@gmail.com • linkedin.com/in/lokesh-lankalapalli-549a10232/

SUMMARY

Aspiring Cybersecurity Professional with hands-on experience in **Vulnerability Assessment and Penetration Testing (VAPT)**. Proficient in security tools including **Burp Suite, Nessus, and Wireshark**. Certified in **CEHv11, Security+, and eJPTv2**. Possesses strong analytical skills and a dedicated work ethic, seeking to contribute to a robust security team through comprehensive internship experience. Committed to complete the entire summer internship program

EDUCATION

M.S., Information Technology; Security Graduating December 2025
Ira A. Fulton Schools of Engineering, Arizona State University, Tempe, AZ 4.00 GPA
• **Relevant Coursework:** Network forensics, Cloud architecture, Cloud Security, Security policies, Advanced DBMS
Bachelor of Technology; Electronics and Communication August 2019 - April 2023
Gayatri Vidya Parishad College OF Engineering, Visakhapatnam, India 3.30 GPA

TECHNICAL SKILLS

Programming: Python, C, C++, HTML, CSS, JavaScript, SQL.

Platforms: HacktheBox (Hacker Rank), TryHackMe (Top 3 in ASU Workspace).

Tools: Nmap, Metasploit, Burp Suite, Wireshark, Netcat, Nessus, Nikto, John the Ripper, Ettercap, Hashcat, SIEM.

CERTIFICATIONS

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|---------------------------------------|---|
| 1. AWS Solutions Architect: Associate | 4. eLearn Security eJPTv2 |
| 2. EC Council CEHv11 | 5. Microsoft MTA Security Fundamentals. |
| 3. CompTIA Security+ | |

PROFESSIONAL EXPERIENCE

Arizona State University, Tempe: Application Security Developer Jan 2025 – Present

Project: MaxGPT – AI-Powered Educational Chatbot

Skills: Python, JavaScript, CAS, MySQL, OpenAI GPT-4

- Engineered custom session management to securely maintain user state across frontend and backend.
- Integrated ASU Central Authentication Service (CAS) for secure single sign-on with ASURITE ID.
- Upgraded session logic from manual re-verification to automated, real-time session validation, enhancing both security and user experience.
- Coordinated with backend development to ensure consistent authentication and session enforcement across the stack.

CyberSmith Secure, Remote, India: VAPT Intern Trainee

Sept 2023 – Dec 2023

- Created vulnerability reports to solve the problem of insecure government websites, using tools like Burp Suite and Nessus, resulting in the identification and remediation of two critical vulnerabilities (Reflected XSS and HTML Injection).
- Developed security report for the HP website to solve the issue of text injection vulnerabilities, employing detailed security assessments and manual testing, which resulted in improved security protocols.
- Assisted in security monitoring and vulnerability scanning, utilizing tools like Burp Suite and Nessus, which resulted in the identification and remediation of critical vulnerabilities.

ACADEMIC PROJECTS

ThreatOps Lab – Real-Time Cloud-to-SIEM Attack Detection Pipeline

- Automated infrastructure provisioning and logging pipeline with CloudWatch Agent on EC2.
- Forwarded Linux authentication logs to Splunk in near real-time using Lambda and Cloudflared tunnel, overcoming S3 export limitations.
- Simulated SSH brute-force and port scan attacks with Hydra and Nmap; detected malicious patterns using custom SPL queries and dashboards in Splunk.

Skills: AWS EC2, CloudWatch, Lambda, Splunk HEC, Cloudflared, Log Forwarding, Detection Engineering, Threat Simulation, SPL, Real-Time Alerting

WebRecon – Smart Wordlist & Email Reconnaissance Tool

- Built automated web crawler with page, depth, and output controls for flexible scanning.
- Extracted domain-specific keywords and generated organized wordlists for further attacks.
- Implemented advanced email scraping and smart guessing algorithms leveraging content headings, inferred domains, and common username formats.
- Automated reporting of findings with organized output for rapid analysis and follow-up.

Skills: Python, Web Reconnaissance, Web Crawling, OSINT, Email Harvesting, Custom Wordlist Generation.