SNEHA K M

CYBER SECURITY

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Kerala

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PROFESSIONAL SUMMARY

Cybersecurity specialist with hands-on experience in penetration testing, vulnerability assessment, and securing web, mobile, and API environments. Proficient in OWASP guidelines, threat analysis, and automation of security tasks. Skilled at identifying critical vulnerabilities like SQLi, XSS, and CSRF, and collaborating with teams to implement effective defenses. Committed to staying current with emerging security trends and technologies.

AREAS OF EXPERTISE

- Web, Network & Mobile Penetration Testing
- Vulnerability Assessment & Exploitation (OWASP Top 10)
- API & Application Security
- Python/Bash Scripting for Security Automation
- Threat Modeling & Risk Mitigation

TECHNICAL PROFECIENCIES

- **Languages**: SQL(Basic), PYTHON (Basic)
- **Tools & Frameworks**: Burp Suite, OWASP, Nmap, Metasploit, Nessus, Hydra, SQL map, MobSF, Frida
- **Platforms**: Kali Linux, Windows, VirtualBox, VMware, Genymotion
- **Networking**: TCP/IP, Firewalls, VPNs, Port Scanning
- **Web Technologies:** HTTP/HTTPS, REST APIs, Authentication Mechanisms

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ACHIEVEMENTS

Hall of Fame

www.inflectra.com

Recognized by Inflectra for responsibly disclosing a security vulnerability, contributing to improved platform security. Demonstrated strong ethical hacking skills and commitment to proactive cybersecurity practices.

INTERNSHIP EXPERIENCE

CYBER SECURITY INTERN
Novavi Pvt Ltd, Kochi
January 01- January 28

Responsibilities:
- Identified and reported vulnerabilities in websites and Android applications.
- Assisted with risk assessment and vulnerability scans.
- Monitored network traffic and logs for suspicious activity.
- Collaborated with developers to fix issues like SQL injection, XSS, and CSRF.
- Researched and recommended best security practices.

CYBER SECURITY INTERN
Prodigy Infotech
April 15- May 15

Responsibilities:
- Designed and implemented encryption, keylogging, and image protection tools.
- Documented project results and posted them to GitHub and LinkedIn.
- Focused on educating users about cybersecurity threats through intuitive GUIs.

CYBER SECURITY INTERN   *Pinnacle Laps Pvt Ltd*
                                                                          May 02- June 02

Responsibilities:
- Created password analyzers and visual data protection tools.
- Developed GUI-based applications with encryption and decryption features.
- Practiced secure programming and user-friendly UI design for awareness tools.

PROJECTS

Password Analyzer – GUI-based Password Strength Checker| LINK   **April 24 - May 2024**
- Developed a user-friendly GUI tool that analyzes password strength and provides instant feedback.
- Implemented criteria checks for length, character diversity, and common patterns to evaluate password robustness.
- Included real-time tips and recommendations to help users create stronger, more secure passwords.

SubFinder – Subdomain Enumeration & Live Checker Tool | LINK   **July 2024 - August 2024**
- Developed Subfinder, an automated tool for discovering and verifying active subdomains.
- Designed interactive prompts and a color-coded output for better user experience.
- Implemented asynchronous processing for faster and more efficient enumeration.

Payload Generator – Encoding & Decoding Utility | LINK   **September 24- October 2024**
- Created a custom payload encoding/decoding tool for penetration testing.
- Integrated multiple encoding algorithms (Base64, URL Encoding, Hexadecimal, Base32) and added MD5 and SHA256 hashing for enhanced security analysis.
- Enabled file saving for encoded/decoded payloads for future use.

Love Waves – Pregnancy Wellness App | LINK   (Academic Project)   **July 23- January 2024**
- Developed Love Waves, a pregnancy wellness app offering health guidance, mood management, and community support for expecting mothers.
- Integrated features like health queries, mood-enhancing music, diary entries, and compatibility chats for a holistic pregnancy experience.

EDUCATION

Synnefo Solutions   Kochi, Kerala
Advanced Diploma in Cyber Security   **June 2024 – January 2025**

St Mary's College Sulthan Bathery   Wayanad, Kerala
Bachelor of Computer Application – CGPA : 7.2   **June 2021 - March 2024**

CERTIFICATES

Advanced Diploma in Cyber Security (Synnefo Solutions)   **Feb 2025**
- Gained hands-on experience in ethical hacking, vulnerability assessment, Metasploit, Burp Suite, and malware analysis.

Networking Certification (SN Associates)   **May 2022**
- Learned network protocols, Cisco Packet Tracer, client-server architecture, and secure network design.

Python for Data Management & Machine Learning (L&T EduTech)   **May 2023**
- Gained skills in Python for data handling, machine learning and automation in cybersecurity.

Generative AI with Google Cloud (Google)   **October 2023**
- Learned the basics of Generative AI, its uses, and how it differs from traditional machine learning.

SOFT SKILLS

- Critical Thinking
- Adaptability
- Active Listening
- Time Management
- Dedicated