SR Shiravanthan

Cyber Security Analyst
91+ 9080130257 | vsrshiravanthan@gmail.com | https://www.linkedin.com/in/sr-shiravanthan-192947214/ |
https://github.com/srshiravanthan

Summary

Cyber Security Enthusiast with knowledge in penetration testing and security operations, proficient in Python and security tools like Nmap, Burp Suite, Wireshark and splunk. Aspiring to apply my knowledge to improve cybersecurity and protect systems. Eager to kickstart a career in cybersecurity as a fresher.

Education

SRM Institute Of Science And Technology Ramapuram Campus Chennai, India
B.Tech-Computer Science And Engineering with Specialization in Cyber Security; GPA: 8.88 *Sep 2021- June 2025*

Technical Skills

Languages: Python, HTML, CSS, SQL
Tools: WireShark, BurpSuite, snort,nmap, hydra, splunk
Platforms: Linux, Windows, web

Experience

Supraja Technologies - Ethical Hacking and Penetration Testing Sep 2023- Dec 2023
Security Analyst (Intern) *Remote*

- SOC Level 1 Training: Completed beginner-level training focused on security monitoring, incident response, and threat detection in a SOC environment.
- Vulnerability Assessment Skills: : Developed hands-on experience in penetration testing and vulnerability assessment using various security tools.
- Collaborative Threat Analysis: Engaged in practical lab exercises with peers to analyze security threats and implement effective cyber security defenses.

Publications

Secured Folder Encryption and Decryption DOI: Link
Published in: International Journal for Research in Applied Science Engineering Technology (IJRASET)

Projects

Folder Encryption and Decryption System | *Python, Tkinter* Sep 2024

- Developed a system using Python with AES-GCM encryption and Argon2 key derivation, ensuring robust data security and resistance to brute-force attacks.
- Integrated file compression during encryption to reduce storage needs and improve transfer speeds, and incorporated HMAC for data integrity and digital signatures for authentication.
- Created a user-friendly Tkinter GUI and an automated email sharing feature, making the system accessible and convenient for users to encrypt, decrypt, and securely share files.

Caesar Cipher Encryption/Decryption Project | *HTML, CSS, Javascript* Nov 2024

- Developed a Caesar cipher encryption and decryption tool using HTML, CSS, and JavaScript, where users can input messages and shift letters by a specified number of positions.
- Created an intuitive user interface with HTML and styled it with CSS, allowing easy interaction for encryption and decryption processes.
- Implemented JavaScript for the logic behind shifting characters, while addressing the simplicity and vulnerabilities of the Caesar cipher in modern security contexts.

Vulnerability Assessment Lab | *Virtual Box, Nessus* Sep 2024

- Set up and configured a Windows virtual machine (VM) on VirtualBox, creating a secure and isolated environment for testing and analysis.
- Installed and configured Nessus vulnerability scanner on the Windows VM, empowering comprehensive vulnerability assessment and analysis.
- Conducted comprehensive vulnerability scans using Nessus, including credential scans, to identify and assess potential security risks and weaknesses.
- Identified and analyzed vulnerabilities in the system and deliberately installed vulnerable software for testing purposes, simulating real-world scenarios to evaluate security defenses.
- Developed and implemented effective remediation strategies to address identified vulnerabilities, minimizing potential risks and strengthening system resilience.

Certifications

1. **eJPT- eLearnSecurity Junior Penetration Tester**
2. **TCM Security - Practical Web Application Security and Testing**
3. **TCM security - Linux 100, Linux 101**
4. **ADPP- Advanced Diploma in Python Programming**