Suchit Reddi

Immediate Joiner

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Technical Skills

Programming: Bash scripting (Linux), Python, Java, HTML, PHP, MySQL
Cyber Security: IoT, Web application, and Network Security; OSINT, Digital Forensics, Incident Response, SIEM, Threat Intelligence, Access Control, Penetration Testing, Information Protection, Data Sanitization
Tools: Metasploit, Aircrack-ng, Nmap, Wireshark, Burp Suite, Nessus, Autopsy, Maltego, Hashcat, etc
Miscellaneous: Automation, Raspberry Pi, Web Development, French, Morse, Typing (70 WPM).

Experience (Link)

Irdeto	May 2023 - Aug 2023
Automation Intern	Delhi, India

- Overhauled 50+ **Python** scripts from Storm to Witbe, increasing throughput by 70%.
- Implemented automated scheduling, reducing 2 manual testing hours per day.

Projects (Link)

Cyber Sentinel	Feb 2023 - Jan 2024
Web app vulnerable to OWASP Top 10 made using **PHP, MySQL**, for hands-on learning.	cybersentinel

- Demonstrated vulnerability assessment and mitigation, with tutorials to increase cyber awareness.
- Increased user security, adaptability, and compatibility by containerization of application.

Memory Wipe	Aug 2023 - Jan 2024
Secure storage wiper written in **Bash** and **Python**, focused on IoT devices with flash storage.	memorywipe

- Tested on IoT devices with shell access running Linux and Windows
- Implemented auto-wipe option to check and execute best compatible method with plans on adding verification.

Intruder Capture System	Nov 2023 - Dec 2023
Access control system using Raspberry Pi, camera, and keypad modules with MQTT protocol.	ics

- Developed lightweight **Python** and **Bash** programs of 150 lines for access control between client and server.
- Captured intruder's image after incorrect authentication and transmitted it to server using MQTT protocol.

Self-Hosted Website and Cloud (IoT)	
Used Raspberry Pi as architecture for hosting services accessible from any device, even out of local network.	site & cloud

- Hosted website on own architecture, increasing accountability, privacy, and availability by 15%.
- Created private cloud, secured with authentication. Improving accessibility from behind corporate firewalls.

Older Projects

Voice Spoofing Detection :- Seperated spoof and original samples with high accuracy of 2.19% Equal Error Rate. github
Keyloggers: A Threat to Privacy :- Authored review paper of 6 papers on uses and misuses of keyloggers github
Java Text Editor :- Developed 300-line lightweight text editor program using **Java** Swings as GUI toolkit in 1 day github

Education

Shiv Nadar Institute of Eminence, Delhi NCR, India	May 2020 - May 2024
B.Tech - Electronics and Communication (Major), Computer Science (Minor)	
Shri Venkateshwara Jr. College, Visakhapatnam, India	May 2018 - May 2020
Intermediate / 12th	GPA: 10.0/10.0
Sri Chaitanya EM School, Visakhapatnam, India	May 2017 - May 2018
High School / 10th	GPA: 10.0/10.0

Relevant Coursework

Computer Networks, IoT and Embedded Systems, Database Management Systems, Operating Systems, Software Engineering, Object-Oriented Programming (Java), Data Structures

Achievements (Link)

Mentor :- Mentored contributors to Cyber Sentinel and Memory Wipe at IIT KGP's KWoC'23 (Dec 2023 - Jan 2024)
Certs :- IBM Cybersecurity Analyst Professional Certificate. Google Cybersecurity Certificate and Security+ (ongoing)
Conferences :- Attended 2nd National Conference on Cyber Crime Investigation and Digital Forensics, CBI (Apr 2022)

Hobbies

- Scripting repetitive tasks for fun. Reading security news feed to stay up-to-date.
- Competing in cyber security challenges and CTFs (OSINT, Forensics, Web). Writing articles related to security.

Updated on **January 27, 2024**