Suchit Reddi

Immediate Joiner

🔗 suchitreddi.github.io | 🐙 GitHub | 💼 LinkedIn | ✉ suchit20016@gmail.com | 📞 +91-9030650858

TECHNICAL SKILLS

Programming: Bash scripting (Linux), Python, Java, HTML, PHP, MySQL
Cyber Security: IoT and Network Security, OSINT, Digital Forensics, Incident Response, SIEM, Threat Intelligence, Access Control, Penetration Testing, Ethical Hacking, Information Protection, Data Sanitization
Tools: Metasploit, Aircrack-ng, Nmap, Wireshark, Nessus, Autopsy, Maltego, Hashcat, etc
Miscellaneous: Automation, Raspberry Pi, Virtual Machines, Docker, French, Morse, Touch Typing.

EXPERIENCE (LINK)

Irdeto - Automation   May 2023 - Aug 2023
Summer Internship   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)

Memory Wipe   Aug 2023 - Ongoing
Secure storage wiper focused on IoT devices with flash storage.   memorywipe
- Erased personal data on IoT devices with only shell access. Created script in **Bash**, later converted to **Python**.
- Automated tool to execute most compatible method with added verification to check successful sanitization.

Cyber Sentinel   Feb 2023 - Ongoing
Intentionally vulnerable web app for hands-on learning made using **PHP, HTML, CSS, and MySQL**.   cybersentinel
- Demonstrated vulnerability assessment and mitigation with tutorials to increase cyberawareness in developers.
- Increased user security, adaptability, and compatibility by containerization of application.

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 among 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 like websites and private cloud.   site & cloud
- Hosted website on own architecture, increasing accountability, privacy, and availability by 15%.
- Created private cloud, making storage devices accessible anytime, even from devices outside local network.

Older Projects

Voice Spoofing Detection :- Optimized a spoofing detection model made of 800 lines **Python** and **MATLAB** code   github
Keyloggers: A Threat to Privacy :- Authored review paper of 6 papers on uses and misuses of keyloggers   github
Java Text Editor :- 300-line lightweight text editor program using **Java** Swings as GUI toolkit   github

ACHIEVEMENTS (LINK)

Mentor :- Guided students towards open-source contributions in IIT KGP's KWoC'23 event   (Dec 2023 - Jan 2024)
Certs :- IBM Cybersecurity Analyst Professional Certificate, Google Cybersecurity Certificate (ongoing)
Conferences :- Attended 2nd National Conference on Cyber Crime Investigation and Digital Forensics, CBI   (Apr 2022)

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

HOBBIES

- Automating Windows tasks like hash checking and hiding files with scripts; Android tasks using Automate app.
- Competing in cyber security challenges and CTFs (OSINT, Forensics, Web). Writing articles related to security.

Updated on **January 2, 2024**