

Suchit Reddi

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TECHNICAL SKILLS

Programming: Bash scripting (Linux), Python, Java, HTML, PHP, MySQL

Cyber Security: (IoT, Web, Network Security), OSINT, Forensics, SIEM, Access Control, 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](#))

Automation Intern

Irdeto

May 2023 - Aug 2023

Delhi, India

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

CYBERSECURITY PROJECTS ([LINK](#))

Raspberry Pi Projects (IoT)

Hosted services on a securely monitored Raspberry Pi, accessible outside local network.

Sep 2023 - Feb 2024

[site](#) & [cloud](#)

- Running [website](#) and personal [cloud](#), available 24/7. Implemented weekly backups for data loss prevention.
- Monitoring with immediate email alerts in case of events. Setup webpage to remotely decrypt volumes.

Cyber Sentinel

Under guidance of Dr. Sonia Khetarpaul MTech PhD (IIT Delhi)

Feb 2023 - Jan 2024

[cybersentinel](#)

- Web application vulnerable to OWASP Top 10 made using **PHP**, **MySQL**, for hands-on learning.
- Demonstrated vulnerability assessment and mitigation, with tutorials to increase cyber awareness.

Memory Wipe

Under guidance of Dr. Sonal Singhal MTech PhD (IIT Roorkee)

Aug 2023 - Jan 2024

[memorywipe](#)

- Secure storage wiper in **Bash** and **Python**, focused 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

Under guidance of Dr. Rohit Singh MTech PhD (IIT Indore)

Nov 2023 - Dec 2023

[ics](#)

- Access control system using **Raspberry Pi**, camera, and keypad modules with 150 lines of **Python** and **Bash**.
- Captured intruder's image after incorrect authentication and transmitted it to server using **MQTT** protocol.

Older Projects

Voice Spoofing Detection :- Separated 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 detecting and countering **keyloggers** [github](#)

Java Text Editor :- Developed 300-line lightweight text editor program using **Java Swings** as GUI toolkit in 1 day [github](#)

EDUCATION

B.Tech in Electronics (Major) and Computers (Minor)

Shiv Nadar Institute of Eminence

May 2020 - May 2024

Intermediate / 12th

Shri Venkateshwara Jr. College

May 2018 - May 2020

GPA: 10.0/10.0

High School / 10th

Sri Chaitanya EM School

May 2017 - May 2018

GPA: 10.0/10.0

RELEVANT COURSEWORK

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

ACHIEVEMENTS ([LINK](#))

Mentor :- Mentored contributors to Cyber Sentinel and Memory Wipe at IIT Kharagpur's Winter of Code 2023

Certs :- IBM Cybersecurity Analyst Professional Certificate. Google Cybersecurity Certificate and Security Plus (ongoing)

Conferences :- Attended 2nd National Conference on Cyber Crime Investigation and Digital Forensics by CBI

HOBBIES

- [Automating](#) repetitive daily life tasks like hash check and file hiding. Keeping up with important security [news](#).
- Competing in cyber security challenges and [CTFs](#) (OSINT, Forensics, Web). Writing [articles](#) related to security.

Updated on **March 2, 2024**