

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, Web Development, French, Morse, Typing (70 WPM).

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.