

# Suchit Reddi

Immediate Joiner

 [suchitreddi.github.io](https://github.com/suchitreddi) |  [GitHub](#) |  [LinkedIn](#) |  [suchit20016@gmail.com](mailto: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

**Miscellaneous:** Automation, Raspberry Pi, Docker, French, Web Hosting, Morse, Touch Typing

## EXPERIENCE ([LINK](#))

### Irdeto - Automation

Summer Internship

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 per day.

## PROJECTS ([LINK](#))

### Memory Wipe

Secure storage wiper focused on IoT devices with flash storage

Aug 2023 - Ongoing

[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

Intentionally vulnerable web app for hands-on learning made using **PHP, HTML, CSS, and MySQL**

Feb 2023 - Ongoing

[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

Access control system using Raspberry Pi, camera, and keypad modules with MQTT protocol.

Nov 2023 - Dec 2023

[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.

### 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

Bachelors of Technology - Electronics and Communication (Major), Computer Science (Minor)

May 2020 - May 2024

### Shri Venkateshwara Jr. College, Visakhapatnam, India

Intermediate / 12th

May 2018 - May 2020

GPA: 10.0/10.0

### Sri Chaitanya EM School, Visakhapatnam, India

High School / 10th

May 2017 - May 2018

GPA: 10.0/10.0

## RELEVANT COURSEWORK

**Computer Science:** Computer Networks, Database Management Systems, Software Engineering, Objective Oriented Programming (Java), Operating Systems, Data Structures

**Electronics:** Internet of Things (IoT), Embedded Systems

## 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.