

# Suchit Reddi

 [suchitreddi.github.io](https://suchitreddi.github.io) |  [GitHub](#) |  [LinkedIn](#) |  [suchit20016@gmail.com](mailto:suchit20016@gmail.com) |  +91-9030650858

Immediate Joiner

## 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](#))

**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. Scripts written in **Bash, Python**.
- Automated tool to execute most compatible method with added verification to check successful sanitization.

**Cyber Sentinel** Feb 2023 - Ongoing  
Web app with vulnerabilities like OWASP Top 10, for hands-on learning made using **PHP, 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 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 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** :- Developed 300-line lightweight text editor program using **Java Swings** as GUI toolkit in 1 day [github](#)

## 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 (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

- [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.