**Suchit Reddi**

Logo

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**OBJECTIVE** \_

Acquiring skills in cybersecurity. Intrigued by OSINT, IoT security, Automation, Human behaviour, Subconscious mind.

**SKILLS** \_

**Cybersecurity:** OSINT, Network Security, IoT Security, Web Penetration Testing, SIEM (IBM QRadar), Automation.

**Tools:** Metasploit, Wireshark, Burp Suite, Nmap, Nessus, Autopsy, Maltego, Sherlock, Hashcat, Wifite, etc.

**Operating Systems:** Kali Linux, Unix, Windows (XP, 8, 10), Raspberry Pi, Virtual Machines, Docker.

**Languages:** English (Professional), Hindi (Limited), French (Learning), Telugu (Native), Morse.

**EDUCATION** \_

**B. Tech (Major - ECE, Minor - CSE)** - Shiv Nadar Institute of Eminence, Delhi NCR, India **Expected 2024**

**Diploma Equivalent (12th)** - Shri Venkateshwara Jr. College,Visakhapatnam, India **2018 - 2020**

**EXPERIENCE** \_

**Summer Intern** - Irdeto, Greater Noida, Delhi **May 2023 - Aug 2023**

• Worked on **Automation** scripts for Set-top box testing.

• Migrated scripts from Storm to Witbe. Analysed scripts in Python before converting into Witbe flows.

• Created over 50 flows requiring problem-solving ability and critical thinking.

[**PROJECTS**](https://suchitreddi.github.io/Work/)\_

[**Memory Forensics in IoT**](https://suchitreddi.github.io/Work/memory_forensics.html) **(In Progress)**

• Working on forensic issues of potential personal data recovery in IoT devices utilizing NAND flash memory.

• Researching an effective verification technique for secure deletion on a Raspberry Pi connected to an SSD.

[**Cyber Sentinel**](https://suchitreddi.github.io/cybersentinel/cybersentinel.html) **(In Progress)**

• Developed a web app to increase cyber awareness among developers using **PHP**, **HTML**, **CSS,** and **MySQL** databases.

• Introduced users to each attack, with steps on replication and how to patch each vulnerability.

• Increased security of users running such intentionally vulnerable applications by containerization.

[**Voice Spoofing Detection**](https://suchitreddi.github.io/Work/voice.html)

• Spearheaded a group of 3 and engineered a spoofing detection model with 800 lines of **Python** and **MATLAB** codes.

• Enhanced model using one-class classification, making it capable of 3rd position, with a 2.19% Equal Error Rate.

[**Key Loggers**](https://suchitreddi.github.io/Work/keyloggers.html)

• Authored a review paper on detecting and countering threats from key and touch loggers after reading 6 IEEE papers.

• Explained internal functions, uses/misuses, and methods for countering keyloggers.

[**Smart Drop**](https://suchitreddi.github.io/Work/drop.html)

• Put together an irrigation system with STM32 microcontroller, rain sensor, soil sensor, and servo motor.

• Future work will include addition of Wi-Fi module for conversion into IoT project.

[**Self-Hosted Website**](https://suchitreddi.github.io/Work/website.html) **(In Progress)**

• Designed a website with over 100 pages to host resume, work, projects, notes, articles, etc.

• Pursuing self-hosting from Raspberry Pi, while dodging various networking hurdles.

[**Text Editor**](https://suchitreddi.github.io/Work/editor.html)

• Implemented various objectives in a 300-line **Java** Swings text editor program in 1 day, overcoming strict deadlines.

[**Coursera Downloader**](https://suchitreddi.github.io/Work/coursera-dl.html)

• Debugged an outdated 300-line **Python** script for automated video downloads from Coursera.

**HONORS** ([Link](https://suchitreddi.github.io/Honors/))\_

• RISE 2023 Research Internship (IIT Jammu) on “Security of Smart Devices” under Dr. Gaurav Varshney - **Not Attended**

• SPRINGEX-23 Spring Internship Program (National Maritime Foundation (NMF)) - **Not Attended**

• Conference Attendee (2nd National Conference on Cyber Investigation and Digital Forensics, CBI, Delhi, India)

• [Cybersecurity Analyst](https://suchitreddi.github.io/Honors/certs/IBM.html) certification from IBM

**EXTRA-CURRICULAR** \_

**Technology:** Competing in cyber [CTFs](https://suchitreddi.github.io/Honors/ctf/index.html) (Jeopardy - OSINT, Forensics, Web) and typing races (70WPM).

**Writing:** Publishing [content](https://suchitreddi.github.io/Work/articles.html) for personal [website](https://suchitreddi.github.io/Work/website.html) and LinkedIn viewed by over 2,500 people worldwide.