**Suchit Reddi**

Logo

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**OBJECTIVE** \_

[IBM Certified Cybersecurity Analyst](https://suchitreddi.github.io/Honors/certs/IBM.html) acquiring skills for an opportunity in Cybersecurity

**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**

**SKILLS** \_

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

**Tools:** Metasploit, Wireshark, Burp Suite, Nmap, OpenVAS (gvm), Nessus, Maltego, Sherlock, Hashcat, Wifite, etc.

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

**Communication:** English (Professional), Hindi (Limited), French (Beginner), Telugu (Native), Morse.

**EXPERIENCE** \_

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

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

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

• Created over 50 flows, which required and enhanced problem-solving skills and critical thinking.

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

[**Forensic Issues of IoT devices using NAND Flash Memory**](https://suchitreddi.github.io/Work/memory_forensics.html) **(In Progress)**

• Working on the forensic issue of potential personal data recovery in IoT devices using NAND flash memory.

• Researching a verification technique for secure deletion of personal data from invalid areas of memory.

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

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

• Application introduces user to each attack, with steps on replicating the attack and how to patch each vulnerability.

• Dockerized the web application to increase the security of users running this intentionally vulnerable application.

[**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 the model with 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)

• Real-time 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.

[**Personal Website**](https://suchitreddi.github.io/Work/website.html)

• Designed a website with 96 pages to host resumes, work, projects, notes, articles, and social profiles.

• Managing it using Google Analytics and other similar tools. Revamping looks and refining website functionalities.

[**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 using Coursera **API** for automated video downloads.

**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)

**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.