**Suchit Reddi**

[***IBM Certified Cybersecurity Analyst***](https://suchitreddi.github.io/Honors/certs/IBM.html) ***with a profound interest in Digital Forensics***

 [*rs521@snu.edu.in*](mailto:rs521@snu.edu.in) [*suchitreddi.github.io*](https://suchitreddi.github.io/)  +91 9030650858

Logo

Description automatically generated [*github.com/SuchitReddi*](https://github.com/SuchitReddi) [*linkedin.com/in/suchitreddi/*](https://www.linkedin.com/in/suchitreddi/)

**Objective**

Willing to acquire skills required for an internship/research opportunity in Cybersecurity (Digital Forensics and Incident Response)

**Skills**

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

**Operating Systems:** Kali Linux, Windows, Unix, Virtual Machines, Docker (Beginner).

**Programming:** Java, Python, C, HTML, CSS, PHP, Arduino, and STM32.

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

**Experience**

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

• Working on Automation of QA Testing scripts in Python. Applications utilized are Witbe and Storm.

• Migrating scripts from Storm to Witbe. Understanding scripts in python, then converting them into Witbe blocks.

• Witbe blocks are used to make flows, which requires and improves problem solving skills and critical thinking.

**Education**

**B. Tech (ECE, Minor - CSE)** - Shiv Nadar Institute of Eminence (SNIOE), Delhi NCR, India **2020 – 2024**

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

[**Projects**](https://suchitreddi.github.io/Work/)

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

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

• Application introduces users to each attack, with steps on replicating the attack, then teaches 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 score.

[**Advance Stealth Man in The Middle Attack in WPA2**](https://suchitreddi.github.io/Work/asmitm.html) (Ongoing)

• Research focused on combining MITM and WDoS attacks using Hole 196 vulnerability with increased persistence and stealth.

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

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

• Explained internal functions, uses or misuses, and methods for countering 2 types of 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 includes 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.

• Revamping looks and refining website functionalities. Learning web development with a hands-on approach.

**[Developers Cohort Projects (Google Developer Student Club)](https://suchitreddi.github.io/GDSC_Developer_Cohort/)**

• Implementing concepts from Odin Project and W3schools for joint web development projects with peers.

[**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** to save 3 hours per course by automating downloads.

[**Honors**](https://suchitreddi.github.io/Honors/)

**RISE 2023 Research Internship (IIT Jammu)**

• Selected for research on “Security of Smart Devices” under Dr. Gaurav Varshney, IIT Jammu.

**Spring Internship 2023** **(National Maritime Foundation (NMF))**

• Shortlisted and selected as a cybersecurity intern at the government naval organization for “SPRINGEX-23” program.

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

• Discussed how crucial international cooperation is for combating global cyberattacks with 1100 delegates.

**Activities**

**Technology:**

• Staying up to date in technology by following Cyber Security podcasts, and newsfeed.

• Competing in cyber [CTFs](https://suchitreddi.github.io/Honors/ctf/index.html) (SANS Holiday Hack, TryHackMe AOC, VishwaCTF (top 10%)) and typing races (70WPM).

**Writing:** Pursuing a passion for writing by publishing [content](https://suchitreddi.github.io/Work/articles.html) for LinkedIn and personal websites.