

Suchit Reddi

IBM Certified Cybersecurity Analyst with a profound interest in Digital Forensics

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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

Cyber Sentinel

- 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

- 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 (Ongoing)

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

Key Loggers

- 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

- 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

- 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)

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

Text Editor

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

Coursera Downloader

- Debugged an outdated 300-line **Python** script using Coursera **API** to save 3 hours per course by automating downloads.

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** (SANS Holiday Hack, TryHackMe AOC, VishwaCTF (top 10%)) and typing races (70WPM).

Writing: Pursuing a passion for writing by publishing [content](#) for LinkedIn and personal websites.