

Suchit Reddi

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OBJECTIVE

IBM Certified Cybersecurity Analyst 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

Forensic Issues of IoT devices using NAND Flash Memory (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

- 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

- 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

- 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

- 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

- 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

- 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** for automated video downloads.

HONORS (Link)

- 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** (Jeopardy - OSINT, Forensics, Web) and typing races (70WPM).

Writing: Publishing **content** for personal **website** and LinkedIn viewed by over 2,500 people worldwide.