

Suchit Reddi

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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

Memory Forensics in IoT (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 (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

- 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

- 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

- 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 (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

- 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 for automated video downloads from Coursera.

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)
- **Cybersecurity Analyst** certification from IBM

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.