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Suchit Reddi

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)

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**

Courses

Security: Computer Networks, Operating Systems, Software Engineering.
Programming: Introduction to Programming (C), Data Structures, Object Oriented Programming (Java).
Certifications: Certified Cybersecurity Analyst (IBM), API Penetration Testing (APIsec University).

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.

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

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.
Content Writer (SNIOE Sports Committee)
• Teamed up with fellow **content creators** for sports committee magazines.

Activities

Technology:
• Competing in cyber CTFs (SANS Holiday Hack, TryHackMe AOC, VishwaCTF (top 10%)) and typing races (70WPM).
• Created custom newsfeeds to filter cybersecurity news and podcasts to improve efficiency and reduce effort.
Writing: Pursuing a passion for writing by publishing content for LinkedIn and personal websites.
Volunteer: Organized slot booking system for gym and pool tables in Indoor Sports Complex.