Suchit Reddi

Nationality: Indian **Date of birth:** 25/05/2003

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in **LinkedIn:** linkedin.com/in/suchitreddi/ 🌐 **Website:** suchitreddi.github.io/

DIGITAL SKILLS

Raspberry Pi / IoT and Embedded Systems / Computer Networks / Testing Automation / Python / Bash scripting / Java / Open Source Development / Web hosting & Maintenance / Morse Code / Touch Typing / Mentoring and Leadership Skills / CTFplayer / Article Writing / Data Structures

Cyber Security

Digital Forensics / Osint / Information Security / Network Security / Web Application Security / OWASP / Vulnerability Assessment / Access Control / Keylogger / Python / SIEM / Incident Response / Penetration Testing

EDUCATION AND TRAINING

Bachelor of Technology
Shiv Nadar Institute of Eminence [14/08/2020 – Current]

City: Greater Noida, Delhi
Field(s) of study: Electronics and Communication (Major) | Computer Science (Minor)

Relevant Courses: IoT, Software Engineering, Embedded Systems, Database Systems, Computer Networks, Operating Systems, Object Oriented Programming, Data Structures

WORK EXPERIENCE

Automation Intern
Irdeto [19/05/2023 – 04/08/2023]

City: Delhi, India

• Overhauled 50+ Python scripts from Storm to Witbe, increasing throughput by 70%.
• Implemented automated scheduling, reducing 2 manual testing hours daily.

PROJECTS

Cyber Sentinel
[02/2023 – 01/2024]

Under guidance of Dr. Sonia Khetarpaul MTech PhD (IIT Delhi)

• Web application vulnerable to OWASP Top 10 made using **PHP**, **MySQL**, for hands-on learning.

• Demonstrated vulnerability assessment and mitigation, with tutorials to increase cyber awareness.

Link: https://github.com/suchitreddi/cybersentinel

Memory Wipe
[08/2023 – 01/2024]

Under guidance of Dr. Sonal Singhal MTech PhD (IIT Roorkee)

• Secure storage wiper in **Bash** & **Python**, focused on **IoT** devices with shell access running **Linux** or **Windows**.

• Implemented auto-wipe option to check and execute best compatible method with plans on adding verification.

Link: https://github.com/suchitreddi/memorywipe

Intruder Capture System
[11/2023 – 12/2023]

Under guidance of Dr. Rohit Singh MTech PhD (IIT Indore)

• Access control system using **Raspberry Pi**, camera, and keypad modules with 150 lines of **Python** and **Bash**.

• Captured intruder's image after incorrect authentication and transmitted it to server using **MQTT** protocol.

Self-Hosted Website and Cloud (IoT)
[09/2023 – 01/2024]

• Hosted website on Raspberry Pi architecture, increasing accountability, privacy, and availability by 15%.

• Created private cloud, secured with authentication. Improving accessibility from behind corporate firewalls.

Smart Drop
[04/2023 – 05/2023]

Under guidance of Dr. Rohit Singh MTech PhD (IIT Indore)

• Drip irrigation system with **STM32** microcontroller, rain and soil sensor, stepper motor, buzzer, and relay.

Voice Spoofing Detection
[08/2022 – 12/2022]

Under guidance of Dr. Vijay Kumar Chakka MTech (NIT Kurukshetra) PhD (NIT Trichy)

• Spearheaded a group of 3 in testing a machine learning model of 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.

Text Editor
[08/12/2022 – 09/12/2022]

Built 300-line **Java** Swings text editor in 1 day. Implemented save, load, cut, copy, paste, font change, etc.

Keyloggers: A Threat to Privacy
[03/2022 – 05/2022]

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

HONOURS AND AWARDS

IBM Cybersecurity Analyst Professional Certification

Finished an 8-month, 8-course certification in 3 months. Applied concepts learned to complete case study.

MANAGEMENT AND LEADERSHIP SKILLS

Mentor

Mentored for Cyber Sentinel and Memory Wipe at IIT Kharagpur's Kharagpur Winter of Code'23 event.

CONFERENCES AND SEMINARS

2nd National Conference on Cyber Crime Investigation & Digital Forensics, CBI
[Vignan Bhavan, New Delhi, India, 04/04/2022 – 04/04/2022]

Discussed need for international cooperation in battling widespread cyber criminals in a day-long conference.

VOLUNTEERING

IT Committee Volunteer

[Shiv Nadar Institute of Eminence, India, 14/11/2023 – Current]

Gathering student IT grievances, coordinating with IT department for solutions.

LANGUAGE SKILLS

Mother tongue(s): **Telugu**

Other language(s):

English

LISTENING B2 **READING** B2 **WRITING** B2

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

Hindi

LISTENING B1 **READING** A2 **WRITING** A2

SPOKEN PRODUCTION B1 **SPOKEN INTERACTION** B1

French

LISTENING A1 **READING** A1 **WRITING** A1

SPOKEN PRODUCTION A1 **SPOKEN INTERACTION** A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

HOBBIES AND INTERESTS

CTF Player

Competing in cyber security challenges and CTFs (OSINT, Forensics, Web).

Scripting and Automation

Automating repetitive daily life tasks like hash check and file hiding with dedicated scripts.

Content Writing

Writing and publishing security-related content on personal website, viewed by over 2500 people worldwide.