Sarvesh Aadhithya.D

https://zoozoo-sec.github.io
this.sarvesh@gmali.com
+91 94450 20138

SUMMARY

Aspiring to establish a dynamic career in the field of cybersecurity. I am eager to seize a challenging mission of cybersecurity excellence. My passion for cybersecurity is driven by a deep commitment to exploring low-level systems, including malware development, assembly language, kernel exploitation, and writing C scripts. I am enthusiastic about applying my expertise to enhance security in an ever-evolving digital landscape by delving into the intricacies of system internals and developing robhust solutions.

SKILLS

- **Languages:** Python, C, Assembly, Html, Css, Javascript, Bash.
- **Frameworks:** Metasploit, Emperor C2 Server, ExpressJs, Flask.
- **Tools:** BurpSuit, IdaPro, GDB, ZAPproxy, Github, Linux Terminal, Nessus, SqlMap, Pwntools, Wireshark.
- **Databases:** MongoDB, SQL.
- **Practical Skills:** Binary Exploitation, Reverse Engineering, WebApp Pentesting, Full-Stack Development.

EDUCATION

2021 - 2025	**B.E IN COMPUTER SCIENCE** EASWARI ENGINEERING COLLEGE, Chennai. *CGPA: 8.41/10*
2021	**SENIOR SCHOOL CERTIFICATION EXAM** Chinmaya Vidyalaya higher Secondary School, Chennai. 560/600 (93%)
2019	**SECONDARY SCHOOL CERTIFICATION EXAM (CBSE)** Sairam Vidyalaya Higher Secondary School, Chennai. 460/500 (92%)

PROJECTS

10/2024- 1/2025 **LINSEC|** *https://github.com/SarveshAadhithya/linsec*

- Created a Linux Security Module for real-time analysis of binaries using both static and dynamic sandboxing techniques.
- Leveraged deep learning to detect anomalies and identify potential threats in binaries.
- Designed an explainable AI dashboard to provide clear insights into why a binary was flagged as malicious.
- Implemented dynamic sandboxing to securely test and analyze newly installed binaries.

01/2024 - 03/2024 **TRIPLE-LOCK**

- Developed a Python application with a Tkinter-based GUI for user-friendly interaction.
- Implemented TDES encryption to securely encrypt and decrypt files.
- Enabled secure file transmission by integrating robust encryption techniques.

04/2023 **ARP-SPOOF-DETECTOR |** *https://github.com/SarveshAadhithya/ARP-Guard*

- Developed an ARP spoofing detector in Python using the Scapy library for raw packet inspection.
- Monitored the ARP table and analyzed the frequency of ARP and ICMP packets to identify attacks.
- Implemented a prevention mechanism to block traffic from the attacker's IP address.
- Enhanced network security by detecting and mitigating ARP spoofing and related threats.

Internships

06/2025- Present **Security Research Intern - Indian Institute of Technology, Madras**
- Currently assisting in the development of mobile application obfuscation tools, with a focus on protecting Android APKs through native code obfuscation.
- Working on obfuscating Android native libraries (.so files) to strengthen app security against reverse engineering and static analysis.

02/2025- 5/2025 **CyberSapiens United LLP**
- Assisting in a Red Team project, conducting simulated attacks to assess and improve the security posture of systems and networks of clients through proactive offensive security testing.
- Performing Vulnerability Assessment and Penetration Testing (VAPT), identifying and exploiting security vulnerabilities in web applications to enhance their protection against cyber threats.

01/2024-02/2024 **Exposys Datalabs**
- Joined as an intern and gained hands-on experience in developing secure applications. Focusedon implementing the Triple DES (TDES) encryption methodology.
- Successfully developed a secureimage transfer application utilizing TDES encryption, ensuring robust data protection and securecommunication.

ADDITIONAL COURSES

05/2024 **GOOGLE CYBERSECURITY PROFESSIONAL CERTIFICATE | COURSERA**
- An intermediate cybersecurity course provided by Google

10/2023 **PRIVACY AND SECURITY | NPTEL**
- An AICTE-approved 12 week program. I gained knowledge of several key Java

02/2023 **NETWORK+ | COMPTIA**
- Network+ certifies essential networking skills in setup, management, and troubleshooting.

05/2022 **PYTHON BASIC CERTIFICATION | HACKERRANK**
- It validates core Python coding and problem-solving skills.

2023-Present **PWN.COLLEGE - Arizona State University** *https://pwn.college/*

TryHackMe *https://tryhackme.com/p/zoozoo*

CONFERENCES

03/2024 **DEFCON** - 2nd conference conducted by DEFCON chennai DCG9144. Attended the conference for networking with cyber security experts.

Achievements | https://github.com/SarveshAadhithya/CTF-certs

09/2024 **Binary Clash IITM -** Secured 1st Position

09/2024 **Pentathon 2025 -** Secured 7th Position

10/2024 **IRONCTF-** Secured 22/1033

10/2024 **GreatAppSec Hackathon -** Qualified for Final round

08/2024 **H7CTF -** Secured 2nd Position

09/2024 **PatriotCTF -** Secured 72/1361

VOLUNTEERING

10/2023- 10/2024 **CYBER SECURITY LEAD IN GOOGLE DEVELOPER STUDENTS CLUB (GDSC)**
As GDSC Cybersecurity Lead, I organized events like "Google Solution Challenge 24" and "Summit Up," fostering technical growth and collaboration. I mentored peers in cybersecurity, enhanced community engagement, and promoted innovation to equip students with real-world skills.