K. Siva Guru

👤 Profile

Motivated and detail-oriented cybersecurity student with hands-on experience in basic malware analysis, reverse engineering, and penetration testing. Proven ability to set up secure malware analysis labs and work with tools like Ghidra, Metasploit, and VirtualBox. Eager to contribute to real-world security projects and build expertise in advanced malware development and ethical hacking.

🎓 Education

Bachelor of Computer Applications (BCA) – Specialization in Cyber Security, Hindustan Institute of Science and Technology, Padur, Chengalpattu

October 2022 — May 2025

 Expected Graduation: 2025 | CGPA: 8.95 (Till 5th Semester)

Relevant Coursework: Computer Networks, Operating Systems, C Programming, Ethical Hacking and System Defense

★ Projects

Malware Development Lab Setup

Built a secure virtual malware analysis environment using Kali Linux, Windows 10, Remnux, and Android OS.

- Configured proxy settings for anonymity and secure traffic.
- Executed payloads and reverse shells using Metasploit safely in isolated VMs.

Rootkit Development

Currently exploring kernel-level programming and rootkit creation on Windows using C.

- Gaining hands-on experience with low-level system internals.

Assembly Language – Hello World (x86_64)

Developed a "Hello, World!" program in x86_64 assembly on Windows 11.

- Learning fundamentals of assembly language for system-level programming.

★ Certifications

- Introduction to C – SoloLearn (Sep 2024)
- Ruby – SoloLearn (July 2024)
- Operating System Basics – CISCO
- Computer Hardware Basics – CISCO

Details

Chennai
India
7550174001
shivaguru2026@gmail.com

Links

Linkedin
Github

Skills

Languages: Python, C, C++, Java, Ruby

Malware & RE: Rootkit Development, YARA Rules

Tools & Platforms: Ghidra, Metasploit, Kali Linux, VirtualBox

Operating Systems: Windows, Linux, Android

Web Security: Metasploitable 2

Languages

English

Tamil

Hindi

Hobbies

Capture The Flag (CTF) Challenges
Malware Analysis & Reverse Engineering
Coding Personal Projects
Reading Cybersecurity Blogs / Tech News

⊱ Extra-curricular activities

 CTF Player | June 2024 – Present

- Participated in multiple Capture The Flag events
- Solved challenges in reverse engineering and binary exploitation
- Attended malware analysis workshops

★ Achievements

PicoCTF Challenge Completion
Solved 159 challenges on PicoCTF:

- 62 Easy, 96 Medium, and 1 Hard difficulty
- Demonstrated skills in reverse engineering, web exploitation, binary analysis, and cryptography
- Gained hands-on experience with real-world cyber attack and defense scenarios