

Sarthak Priyadarshi

✉ sarthak@sarthakpriyadarshi.com ☎ +91 70177 14872 🌐 sarthakpriyadarshi.com in /in/sarthakpriyadarshi
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Education

St. Joseph Engineering College, Mangalore
Bachelors of Engineering in Computer Science

Dec 2022 – Mar 2026
CGPA: 8.39

Kendriya Vidyalaya No. 2, Jalahalli East
Grade: 12th

Jul 2020 – Mar 2022
Percentage: 72%

Experience

Security Intern
Albus Security

Remote
Feb 2025 – Present

- **Automated the Slowloris DoS attack using Python**, simulating up to **500 simultaneous connections** during testing, demonstrating proficiency in network security and exploit development
- **Conducted in-depth research on reverse shell bypass techniques**, analyzing **5 distinct methods** and their effectiveness, contributing valuable insights to the team's cybersecurity knowledge base.

Projects

DocumentAI | FastAPI, Langchain, AI Agents, NLP, NextJS, Docker

[GitHub](#) 

- Developed a full-stack application for AI-powered document analysis, supporting PDF, Docx, TXT, CSV, audio, and image files.
- Implemented an agent-based AI system using Langchain and Llama 3.2 for intelligent document processing and question answering.
- Integrated multi-modal data processing: Used unstructured.io for image, document processing and OpenAI Whisper for audio transcription for better chunks storage
- Containerized the application with Docker for streamlined deployment.

VPN IP Indicator | Gnome-Shell, Javascript, Bash, Linux, Gnome

[GitHub](#) 

- Developed a GNOME Shell extension using JavaScript and Bash to display VPN IP addresses in Kali Linux.
- Enhanced user awareness of network status, leading to its scheduled inclusion in Kali Linux 2025.2 with default enablement for cybersecurity labs.

Skills

Programming: Python, C, Java, JavaScript, TypeScript, Bash

Frameworks: NextJS, React, FastAPI, Tailwind CSS, bcrypt





Database & Platform: MySQL, MongoDB, Linux, Azure, Digital Ocean

Development Tools: VSCode, Docker, Git, GitHub

Cybersecurity Tools: Kali Linux, Nmap, Wireshark, Metasploit, hashcat, NetExec, SQLMap, BloodHound

Soft Skills: Problem-Solving, Critical Thinking, Communication, Teamwork, Adaptability, Time Management, Leadership, Attention to Detail, Creativity, Self-Motivation

Achievements

- **Open Source Contributor:** Kali Linux
- **Certifications:** [CEH](#)  | [CEH \(Practicals\)](#)  | [CEH \(Masters\)](#)  | [Kali Linux Certified Professional](#) 
- **Speaker at Indian Air Force** demonstrating how hackers use your personal data to exploit
- **First place** in the nation-level tech fest event of Tiara in **Bomb Defusal**