

Sarthak Priyadarshi

✉ sarthak@sarthakpriyadarshi.com ☎ +91 70177 14872 🌐 sarthakpriyadarshi.com in /in/sarthakpriyadarshi
📄 sarthakpriyadarshi 👤 /users/sarthakpr

Education

St. Joseph Engineering College, Mangalore
Bachelor of Engineering in Computer Science | VTU

Dec 2022 – Mar 2026
CGPA: 8.39

Kendriya Vidyalaya No. 2, Jalahalli East
Class 12 (Science – PCM) | CBSE Board

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 totalling support of 8 extensions.
- Implemented an **agent-based AI system** using **LangChain** and **LLaMA 3.2** for intelligent document processing and question-answering.
- Integrated multi-modal data processing by using **Unstructured.io** for **image and document parsing**, and **OpenAI Whisper** for **audio transcription**, improving chunk-storage efficiency by 82%.
- **Containerized** the 3 instances of application with Docker for streamlined deployment.

VPN IP Indicator | Gnome Shell, JavaScript, Bash, Linux, Gnome

[GitHub](#) 

- Built a GNOME Shell extension for Gnome Versions 47 and 48 to display the VPN IP Address.
- Enhanced user awareness of network status, leading to its **scheduled inclusion** in **Kali Linux 2025.2** with **default enablement** for cyber security laboratories.

Sassy Cloudinary | Next.js, TypeScript, AI, Cloudinary, Tailwind CSS

[GitHub](#) 

- Created a SaaS platform for AI-driven **image resizing** and **video compression**, optimizing social media previews with **contextual understanding**, improving media load times by up to **60%**.
- Implemented **user authentication** via **Clerk** and managed data persistence with **Prisma ORM** and a **PostgreSQL** database making it scalable upto **10000** users.
- Deployed on **Vercel** with automated **CI/CD**, achieving **zero downtime** and reducing deployment time by **80%**.

Skills

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

Frameworks: NextJS, React, FastAPI, Tailwind CSS





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: Root Cause Analysis, Evaluative Thinking, Communication, Teamwork, Agility, Efficient Task Prioritization, Leadership, Precision in Execution, Creativity, Self-Motivation

Achievements

- **Open Source Contributor:** Contributed to **Kali Linux** development in **2025.2**, focusing on tools and docs.
- **Certifications:** [CEH](#)  | [CEH \(Practicals\)](#)  | [CEH \(Masters\)](#)  | [Kali Linux Certified Professional](#) 
- **Speaker:** Engaged session on **personal data exploitation** for **Indian Air Force 200+** air warriors.
- **Others:** Achieved First place (nation-level) in Tiara's **Bomb Defusal** event consisting of on spot evaluation.