

Sarthak Priyadarshi

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Education

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

Dec 2022 – May 2026
CGPA: 8.66

Experience

Software Development Intern
ProWriter | California, USA

Remote
Sept 2025 – Present

- **Developed and scaled a collaborative document platform** by implementing advanced editor features (image/table manipulation, LaTeX, DOCX export) and **multi-tenant workspace with RBAC/ABAC**, while building **scalable APIs** for secure, high-performance collaboration.
- **Engineered backend systems and real-time infrastructure** using RESTful APIs and **WebSockets**, enabling **secure messaging** and scalable architecture, and evaluated LLM Models for Scientific Images
- **Led feature delivery** by implementing secure messaging(End to end Encrypted) and team feature.

Achievements

- **Open Source Contributor:** Contributed to **Kali Linux 2025.2** [🔗](#) dev, making it as a default feature.
- **Ranked Top 10 in World:** Ranked 10th in World in EC-Council Ethical Hacking in Quarter 3, Sept 2024
- **Certifications:** [CEH](#) [🔗](#) | [CEH \(Practicals\)](#) [🔗](#) | [CEH \(Masters\)](#) [🔗](#) | [Kali Linux Certified Professional](#) [🔗](#)
- **Hackathon 48 Hours:** [Hack To Future 4.0](#) [🔗](#): Winner | [Cardano Hackathon Asia 2025](#) [🔗](#): 2nd Runner Up | [HackEVL](#) [🔗](#): Winner
- **Speaker:** Engaged session on **personal data exploitation** for **Indian Air Force 200+** air warriors.

Projects

Artemis | Google ADK, Next.js, PostgreSQL, Redis, Docker

[GitHub](#) [🔗](#)

- Developed an autonomous offensive security platform using **Google ADK** multi-agent orchestration across **Gemini** and **Ollama** LLMs to run end-to-end penetration test campaigns with Agentic AI/AI Agents.
- Engineered a fault-tolerant campaign loop with **Redis** pub/sub queueing, real-time abort signaling, and multi-provider error detection for context, rate limit, and quota failures.
- Built zero-trust attack tooling with an **AES-256-GCM** encrypted credential vault in **PostgreSQL** and a **Next.js** admin panel streaming live agent activity.

Aegis Forensics AI | FastAPI, Google ADK, Kali Linux, NextJS

[GitHub](#) [🔗](#)

- Developed a **full-stack agentic AI cyber forensics** platform supporting 8 evidence formats including executables, network captures, disk images, and log files.
- Built an **agent-based** triage system using **Agent Development Kit** for forensic evidence analysis.
- Integrated secure database for evidence collection on the basis of **using WORM** , and **Gemini API**.
- **Built** custom agentic tools on the basis of Kali Linux tools and increase accuracy by 10%.

CredVault | Next.js, MongoDB, TypeScript, VAULT Protocol

[GitHub](#) [🔗](#)

- Built **blockchain-verified credential issuance** platform with **custom template designer**, **bulk CSV issuance**, and **VAULT Protocol** integration (AES-256-GCM, IPFS) and real time blockchain verification.
- Implemented **multi-role authentication** via **NextAuth.js** with OAuth. Used **Mongoose ODM** and **MongoDB**. Built **organization management**, **QR verification**, and **analytics dashboards**.

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