Sarthak Priyadarshi

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Education

St. Joseph Engineering College, Mangalore   *Dec 2022 – Mar 2026*
Bachelor of Engineering in Computer Science | VTU   *CGPA: 8.45*

Kendriya Vidyalaya No. 2, Jalahalli East   *Jul 2020 – Mar 2022*
Class 12 (Science – PCM-CS) | CBSE Board   *Percentage: 72%*

Experience

Software Development Intern   *Remote*
ProWriter | **California, USA**   *Sept 2025 – Present*

- Built the **Complete Document Editor** feature with **Table Resize** functionality with **Image Resize and Move** and **Fixing Image Alignment issue** in the document editor & utilizing debounce in Angular.js.
- Built the UI/UX for **Authentication Pages** in the ProWriter Webapp adding responsiveness to the page.
- Building **Team Workspace** feature with **RBAC** and **ABAC** system with multiple roles and attributes

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:** Cardano Hackathon Asia 2025 ↗: 2nd Runner Up | HackEVL ↗: Winner
- **Speaker:** Engaged session on **personal data exploitation** for **Indian Air Force 200+** air warriors.

Projects

Aegis Forensics AI | FastAPI, Agent DK, Kali Linux, AI Agents, NextJS   *GitHub* ↗

- Developed a **full-stack application** for **Agentic AI Based Cyber Forensics**, supporting executables binary, Network Record Files, Disk Images, Log Files, etc in order to support of 8 extensions.
- Implemented an **agent-based** AI system using **Agent Development Kit** for intelligent analysis of Cyber Forensics Evidence.
- 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%.

VAULT Protocol | Express.js, Hardhat, Blockchain, Quorum, IPFS   *GitHub* ↗

- Developed a decentralized certificate management system using **Quorum blockchain** and **IPFS** storage, implementing **AES-256-GCM encryption** for secure file handling and verification.
- Built a comprehensive REST API with **vault:// URL scheme** protocol support, enabling secure certificate issuance, verification, and download with blockchain-backed immutability and decentralized storage.

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).
- Implemented **multi-role authentication** via **NextAuth.js** with OAuth. Used **Mongoose ODM** and **MongoDB**. Built **organization management**, **QR verification**, and **analytics dashboards**.
- Created **public profiles** and **transactional issuance**. Integrated real-time blockchain verification.

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