

SOUBHAGYA SADHUKHAN

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Education

University of Engineering and Management, Kolkata

2023 – 2027

Bachelor of Technology in Computer Science and Engineering

GPA: 8.40 / 10

Technical Skills

Languages: Python, C, Java, Solidity, JavaScript, SQL

Frameworks: React, Express, FastAPI, Node.js, Flask

LLM & GenAI: Gemini API, Prompt Engineering, RAG Pipelines

LLM VCS & MLOps: Prompt versioning, experiment tracking, reproducible workflows

Tools: Git, Docker, Kubernetes, Neovim, Hardhat, CI/CD

Cloud & DevOps: AWS (EC2, S3, IAM), Dockerized deployments

Databases: MongoDB, MySQL, SQL, NoSQL

Platforms: Linux, Web, Windows, Raspberry Pi

Experience

Oodser Technologies, Rwanda

May 2025 – Aug 2025

Full-Stack Developer Intern (MERN Stack)

- Developed scalable MERN applications with modular frontend and RESTful backend APIs.
- Improved frontend performance, reducing load times by 25%.
- Refactored backend services to reduce API latency by 30%.
- Implemented CI/CD pipelines to automate deployments.

Projects

Inkei – AI PM Assistant | *Flask, React, MongoDB, Gemini API, AWS*

GitHub

- AI-powered project management platform for automated sprint planning and SSDLC-aligned workflows.
- Designed scalable Flask REST APIs for task orchestration and AI-driven analysis.
- Implemented real-time collaboration using Socket.IO with JWT authentication.
- Deployed Dockerized services on AWS EC2 with MongoDB Atlas.
- Integrated structured LLM workflows with prompt versioning and evaluation.

vcs-for-llms | *React, Node.js, Git, LLM APIs*

GitHub

- GPT-style chat platform providing Git-like version control for prompt engineering.
- Implemented conversation snapshots as commits with rollback and history traversal.
- Improved LLM experimentation via reproducible, version-controlled workflows.

Avacado | *Next.js, Express.js, Solidity, Circom*

Website

- Privacy-focused financial platform using zero-knowledge KYC and encrypted tokens.
- Implemented zk-SNARKs with Groth16, ElGamal encryption, and Poseidon hashing.
- Designed smart contracts for private balances and secure transfers.

Achievements

- ETHGlobal New Delhi 2025 – **1inch Track Winner**
- Avalanche T1 Kolkata Hackathon 2025 – **1st Place**
- Avalanche Pitch Day, Goa – **2nd Prize Winner**