

Samarth Acharya

✉ samarth.acharya2005@gmail.com — 📞 +91-7987738993 — 🐙 GitHub — 🔗 LinkedIn

EDUCATION

Indian Institute of Information Technology Vadodara

Bachelor of Technology in Computer Science and Engineering

Relevant Coursework: Data Structures, Algorithms, Object-Oriented Programming(JAVA), Database Management, Discrete Mathematics, Cryptography, Networking

May 2027 (Expected)

CGPA: 8.3/10 (Till Sem IV)

SKILLS

Programming Languages: C, C++, Java, TypeScript, Go, SQL, NoSQL, Solidity

Web Technologies: React, Next.js, Express.js, Spring Boot, Tailwind CSS, Bootstrap

Databases: MongoDB, PostgreSQL, Redis, Supabase, Firebase

Cloud & DevOps: AWS, Docker, Kubernetes, Git, RabbitMQ, Apache Kafka

Problem Solving: CodeChef (2-star, 240+ problems), LeetCode (200+ problems)

EXPERIENCE

SDE Intern – AI Agents

Omaverse
Oct 2024 – Present

- Building **TypeScript** APIs and tools for AI agents to interact with internal systems and execute workflows.
- Integrated sandbox feature for the company, enabling secure execution environments for agent operations.
- Developing browser automation capabilities allowing agents to navigate and interact with web interfaces programmatically.

Freelance Full-Stack Engineer

Crida – Sports Facility Platform
Oct 2024 – Present

- Providing end-to-end flow for clients using **React + Vite** frontend, managing multiple microservices deployed on AWS.
- Building and maintaining APIs, orchestrating microservices, and handling production deployments for facility booking.

SDE Intern

RackBank Datacenters
May 2024 – Aug 2024

- Deployed containerized workloads, stood up Kubernetes clusters, and optimized virtualization stacks for customer environments.
- Contributed upstream to `rc1one` (Zata S3 support) and built Go services with Promtail/Loki/Grafana for centralized observability.[\[View PR\]](#)
- Shipped iterative improvements to RackBank’s web presence and internal tooling.

PROJECTS

HawkeRoute – Smart Hawker Route System (Flask · Celery · Redis · Twilio · Next.js · React Native)

[\[Source Code\]](#)

- Orchestrated route optimization with **Flask** microservices, **Celery** workers, and **Redis** job queues.
- Delivered unified **Next.js** control panel + **React Native** runner app with **Twilio**/SMTP alerting.

Cloud File Manager with S3 Integration (Next.js · TypeScript · Express.js · Supabase Postgres · S3)

[\[Source Code\]](#)

- Provisioned secure key vault in **Supabase Postgres** and desktop-like **Next.js** explorer.
- Streamed encrypted transfers through **Express + Multer** pipeline to Zata.ai **S3** buckets on VM infra.

Expense Tracker – Kubernetes Deployment (Go · PostgreSQL · Docker · Kubernetes · Calico)

[\[Source Code\]](#)

- Dockerized **Go** API with JWT auth + **PostgreSQL** and drove GitHub→Jenkins CI/CD.
- Ran multi-pod **Kubernetes** stack (`go-app`) with **Calico** policies, Promtail/Loki logs, and YAML IaC.

Blockchain-enhanced, NLP-driven Database Platform (NLP · Solidity · Polygon zkEVM · Secure Storage)

[\[Source Code\]](#)

- Built natural-language query layer with policy checks and encrypted credential vault.
- Anchored immutable audit logs via **Solidity** contracts on Polygon zkEVM.

ACHIEVEMENTS & AWARDS

Hackathon Achievements: 1st Place in Web Development (IIITV Hackathon 2025), 3rd Place at HackTheMountains 5.0 (Upsurge-Labs)

Most Valuable Player (Basketball) – Awarded at Sahodaya Inter School Competition, demonstrating leadership and teamwork capabilities.

ROLE OF RESPONSIBILITY

Mentor – HACK IIITV

IIIT Vadodara

Hackathon Mentor

Nov 2024

- Mentored participants during IIIT Vadodara’s official hackathon event – HACK IIITV.
- Assisted teams with technical direction, debugging, and refining ideas throughout the event.