

HIT JASOLIYA

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Education

Sardar Vallabhbhai National Institute of Technology, Surat

Aug. 2023 – Present

B.Tech. in Computer Science and Engineering, CGPA: 8.93/10.0

Experience

Publicis Sapient

May 2026 – Present

ASDE Intern — Bengaluru, India

- **Architected and deployed** a microservices-based AI Agent utilizing **LangGraph**, **FastAPI**, and **Next.js** to automate enterprise bookings, complete with a comprehensive analytics dashboard.
- **Designed and deployed** dynamic vacation package concepts by orchestrating multiple microservices for unified hotel, flight, and cab itineraries, successfully overcoming complex infrastructure challenges by containerizing and scaling the distributed system on **Kubernetes**.
- **Built** a robust **hybrid retrieval pipeline** integrating semantic vector search with geo-spatial querying, strategically implemented to deliver highly accurate, location-aware enterprise property and booking recommendations.
- **Currently engineering** an intelligent agent using **Model Context Protocol (MCP)** to automate **Adobe CMS** workflows, empowering property managers to execute instant property additions and modifications, eliminating the traditional **3-month** manual update cycle.

Projects

LedgerLens - Enterprise Document Intelligence

May 2026 – Jun 2026

FastAPI, React 19, Elasticsearch, IBM Docling, Gemini AI

[Source Code](#)

- Built a full-stack RAG platform for the **PowerMind Hackathon** by **Adani Enterprises**, designed specifically to query and analyze financial PDFs.
- **Integrated IBM Docling** for layout-aware ingestion, successfully extracting and preserving reading order for complex financial structures (merged cells, charts) across **50+ pages** of dense PDF reports with near-zero structural data loss.
- **Architected a secure backend** using **FastAPI**, enforcing strict JWT-based RBAC and a 4-branch **Elasticsearch ACL** to guarantee strict data isolation and access control across concurrent user sessions.
- **Designed** a per-session conversation engine with **Gemini Flash** and built a terminal-green brutalist UI featuring structured markdown output and automated page-level citation parsing.

SquadDraw - Collaborative Whiteboarding Platform

July 2025 – July 2025

Next.js, PostgreSQL, Prisma, Socket.IO, Zustand, TurboRepo, BetterAuth

[Source Code](#)

- **Engineered** a real-time collaborative whiteboarding application using **Next.js 15** and **Socket.IO**, integrating a custom **RoughJS** toolkit within a performance-optimized dual-canvas architecture.
- **Managed** complex global state across dynamic whiteboard sessions utilizing **Zustand**, successfully reducing client-side redraw latency and optimizing WebSocket data transmission.
- **Designed** efficient relational data models with **PostgreSQL** and **Prisma ORM**, and implemented secure role-based authentication using **Better-Auth**.
- **Established** a **Turborepo** monorepo workflow and automated **CI/CD** pipelines to reliably deploy the application on **GCP** utilizing an **Nginx** reverse proxy.

Technical Skills

Languages: C++, Python, JavaScript, TypeScript, SQL

Technologies: React.js, Next.js, Node.js, Express.js, FastAPI, WebSockets, Socket.IO, RESTful APIs, Prisma, Mongoose, Zustand, Zod, TurboRepo, Tailwind CSS, Elasticsearch

GenAI & AgenticAI: LangGraph, Model Context Protocol (MCP), LangChain, Vector Databases, pgvector, RAG

Databases: PostgreSQL, MongoDB, MySQL

DevOps & Tools: Git, GitHub, Docker, Kubernetes, CI/CD, Nginx, Prometheus, Grafana

Machine Learning: Supervised & Unsupervised Learning, Model Evaluation, Feature Engineering

Core CS Concepts: Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Database Management Systems (DBMS), Operating Systems (OS), Computer Networks (CN)

Achievements & Certifications

- **Amazon ML Summer School 2025:** Selected among the top 3,000 students nationwide and successfully completed the comprehensive Machine Learning training program ([Certificate](#)).
- **Hackathon Finalist:** Secured Top 3 in **HackTheTank**, Finalist in two other National-Level Hackathons (Top 30 in **Echelon**, Top 36 in **DotSlash 9.0**) and secured Top 40 in the **SVNIT PowerMind Hackathon**.
- Solved **1000+** Data Structures and Algorithms problems on platforms like **LeetCode**, **Codeforces**, and **GFG**.
- **ACM Competitions:** Secured **Top 15** among 100+ teams in the **ACM Inception 9.0** Coding Contest and successfully completed the **30-day ACM Summer Challenge** ([Inception](#) — [Summer Challenge](#)).

Positions of Responsibility

Co-Head, Web Development | *MindBend (Annual Technical Festival, SVNIT)*

Oct. 2024 – May 2025

Executive | *Association for Computing Machinery (ACM) Student Chapter, SVNIT*

Oct. 2024 – May 2025