

NAVYA SINHA

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OBJECTIVE

Seeking an opportunity to apply my technical foundation in Python, SQL, and Full Stack Development, while deepening my expertise in AI/ML and DevOps to contribute to innovative, data-driven solutions.

EDUCATION

- **B.Tech in Electronics and Telecommunication, Sardar Patel Institute Of Technology** 2023–Ongoing
Last Semester CGPA: 10 , Average CGPA: 9.44
- **Minor in AI/ML (Vizuara)**
- **HSC (12th Boards)**, Loyola High School and Junior College, Pune 2021–2023
Percentage: 93.17

PROJECTS

Intelligent Prescription Analyser September 2025

- Backend stores prescriptions, schedules, chats, and care circle data with Fernet encryption.
- OCR (Pillow + Tesseract) extracts patient details and medications from images.
- RxCUI mapping (RxNav), RxNorm/OpenFDA data, risk flags, and clear drug summaries.
- 7-day med plans, adherence tracking, caregiver invites, and FHIR MedicationRequest export.
- Chatbot answers med queries, uses rule-based fallbacks, and logs history.

Tech Stack: **Python, Flask, Encryption (Fernet), Pillow, Tesseract OCR, RxNav/OpenFDA, FHIR**

PDF Q&A RAG Microservice April 2025

- Answers strictly from the PDF; clear “Not in PDF” when info isn’t present.
- Persistent per-document vectors plus in-memory retriever cache to avoid re-embedding and speed repeat queries.
- Stateless POST with Bearer auth, timeouts, and clean separation of LLM, retriever, and chain.

Tech Stack: **Python, Flask, LangChain, Together AI Mixtral, Sentence-Transformers, Chroma, Tesseract OCR**

PayFlow (FullStack + DevOps) – payflow.navyasinha.xyz September 2025

- Architected and deployed a full-stack digital wallet application on Microsoft Azure Cloud, integrating a custom domain for enhanced accessibility.
- Implemented secure money transfer features and transaction history module, ensuring data integrity and user trust.
- Developed a user profile management system with real-time notifications and live balance updates.

Tech Stack: **React, TailwindCSS, Node.js, Express, CI/CD, Azure, MongoDB**

SKILLS

Technical Skills

- **Languages:** C++, Python, SQL, HTML, Tailwind CSS, JavaScript, TypeScript
- **Frameworks/Libraries:** React, Next.js, Node.js, Prisma, Pandas, NumPy
- **Database & Tools:** MongoDB, PostgreSQL, WebSockets, Microsoft Azure, CI/CD, Docker

POSITION OF RESPONSIBILITY

Vice Cultural Secretary

Led the execution of multiple large-scale cultural events, including fests and competitions, ensuring seamless delivery through strategic planning and team collaboration.

ACHIEVEMENTS

- **rAPId** – Achieved 1st Place in the rAPId API Development Competition. [Certificate](#)
- **Odoo Hackathon** – Shortlisted among the top 250 teams (out of 1000+) to compete in Gandhinagar.
- **SSS-MUN** – Awarded Best Delegate (Norway) at SSS-MUN.