

SANDIP GODHANI

Software Developer

SEM 5 (3rd Year) BE in Computer Engineering LJJET, Ahmedabad

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Summary

Computer Engineering student passionate about building scalable, real-world applications. I enjoy turning complex ideas into practical solutions through clean code and thoughtful system design. Currently focused on **full-stack development**, **real-time systems**, **blockchain** and Web3. Actively building projects like **ChatApp** (E2EE messaging) and **SafeX** (crypto wallet), while contributing to **open source** and exploring new technologies.

Education

B.E. in Computer Engineering

LJ Institute of Engineering and Technology (LJJET), Ahmedabad

Expected: 2028

Higher Secondary Education (Class 12th)

Central Board of Secondary Education (CBSE)

JEE: 86.4 Percentile

Academic Performance (BE)

Semester 3 (SPI): 8.75 — Semester 4 (SPI): 8.40

Skills

Programming Languages: JavaScript, TypeScript — Python, Java, Solidity (Basics)

Frontend: React, Next.js, Vite, HTML, CSS, Tailwind CSS

Backend: Node.js, Express.js, Spring Boot

Databases: MongoDB, PostgreSQL, Redis

Tools: Git, GitHub, AWS services, Docker, Linux (Basics), Socket.IO, WebRTC, Better Auth, Cloudinary, REST APIs, oRPC, viem, Ethers.js

Experience

Software Engineer – Intern

Heliocoach (Supplement Tracker App)

Feb 2026 – Aug 2026

(6 months)

- Worked on Heliocoach, a Flutter-based supplement tracker app that helps users track daily supplement intake, build healthy habits, and visualize progress.
- Contributed to full-stack feature development using Flutter, API integration, state management, and UI/UX improvements across the application.
- Collaborated with the team to optimize app performance, fix bugs, and participate in product discussions, feature planning, and development workflows.

Projects

ChatApp – Real-time Messaging & Media Platform

React, Node.js, TypeScript, Socket.IO, MongoDB, WebRTC

- A real-time chat application with end-to-end encryption and WebRTC media communications (audio/video calls).
- Implements real-time messaging, online presence, message pagination, and optimistic UI.
- Secure architecture with ECDH (P-256) + AES-GCM encryption and offline message storage using IndexedDB.
- Handles file uploads via streaming to Cloudinary and maintains a scalable backend architecture.

SafeX – Crypto Wallet & Exchange

React, Node.js, TypeScript, PostgreSQL, viem, Redis

- A self-custodial crypto wallet and exchange platform inspired by Trust Wallet.
- Implemented BIP39 seed phrase generation, encrypted vault storage (AES-256-GCM), and account derivation.
- Multi-chain support (Ethereum, BSC, Polygon, Arbitrum) using viem and blockchain libraries.
- Secure session management with oRPC and JWT cookies while exploring DeFi integrations.

MyJournalApp – Offline-first PWA for Journaling

React, Node.js, MongoDB, IndexedDB, Service Workers

- An offline-first Progressive Web App (PWA) for journaling with offline data storage using IndexedDB and Service Workers.
- Implemented web push notifications (VAPID) and scheduled reminders using Node-Cron.
- Used modern libraries to improve performance and reduce boilerplate code, including Zod, oRPC, Orchid ORM, Better Auth, React Hook Form (RHF), and other developer tooling.

Community & Leadership

Campus Mantri – GeeksforGeeks

2026

- Selected as Campus Mantri among 10,000+ applicants from 3,000+ colleges across India.

Founder – BinaryBrains (College Tech Community)

2025 – Present

- Founded and grew a tech community of 1200+ members at LJJET. Organized events, workshops and learning initiatives.

Volunteer – Tech Communities, Ahmedabad

2025 – Present

- Actively contributed to local tech communities, to help with event organization and mentoring.

Additional Information

Interests: Blockchain & Web3 technology, Open source contributions, System architecture, DevOps, Community Building

Languages: English (Fluent), Hindi (Native), Gujarati (Native)