

# NARENDRA SAMANTA

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## EDUCATION

ITM (SLS) Baroda University

B.Tech in Computer Science and Engineering (CGPA: 8.47/10)

Vadodara, Gujarat

Sep 2022 – Jun 2026

## TECHNICAL SKILLS

- **Blockchain & Security:** Hyperledger Fabric, RAFT Consensus, MSP, X.509 Cryptography, Docker, Smart Contracts.
- **Languages:** TypeScript, JavaScript, Python, Java, C++, SQL, Go (Golang), Solidity.
- **Frontend:** React Native, Expo, React.js, Next.js, Redux, Tailwind CSS, NativeWind, HTML5.
- **Backend & DevOps:** Node.js, Express.js, Server-Sent Events (SSE), Prisma, Redis, BullMQ, Nginx, CI/CD.
- **Tools:** Git, Postman, Gemini API Integration, Socket.io, Firebase, Supabase.

## PROFESSIONAL EXPERIENCE

Newmeric Tech

Remote

Software Engineering Intern

Dec 2025 – Present

- Collaborating with cross-functional teams to drive the **SDLC** of scalable web and mobile applications.
- Designing and optimizing **RESTful APIs** using **Node.js** and Express, ensuring low-latency data retrieval.
- Implementing rigorous **Code Reviews** and **Version Control** workflows to maintain production-grade quality.

## KEY PROJECTS

National Employment Verification System (NEVS)

Lead Architect

Tech: Hyperledger Fabric, Docker, Go, MSP, RAFT Consensus

- Architecting a government-centric **Permissioned Blockchain Network** as a tamper-proof National Registry.
- Deployed **Hyperledger Fabric** infrastructure with custom **MSP** for institutional identity management.
- Implemented **X.509 Certificate-based Authentication (mTLS)** to enforce zero-trust security.
- Engineered **RAFT Consensus** to ensure immutable data finality, reducing verification time by 99%.

Health Hub

Lead Mobile Developer

Tech: React Native, Expo, Prisma, Redis, BullMQ, OAuth 2.0

- Engineered a **Client-Controlled Dynamic Redirection Model** with a custom **HealthHub:// URI** scheme to manage secure **OAuth 2.0** sessions and deep linking.
- Implemented **Server-Sent Events (SSE)** to stream real-time updates from background jobs via **Redis/BullMQ**.
- Optimized database queries using **Prisma ORM** to handle complex patient-doctor data relationships.

ReEstate (Smart Rental App)

Mobile Architect

Tech: React Native, Expo, Supabase, AI Integration

- Developing a cross-platform rental ecosystem featuring advanced property filtering and map-based browsing.
- Architecting an **AI Chatbot** to provide automated property suggestions and instant FAQ handling.
- Implementing secure authentication and real-time database subscriptions using **Supabase**.

LabSeva (AI Health Report Analyzer)

Full Stack Developer

Tech: React.js, Flask, Python, Gemini API, MongoDB

- **Award:** Won 2nd Prize at College Hackathon.
- Integrated **Generative AI (Gemini API)** to translate complex medical reports into natural language.
- Built a responsive frontend with **React.js** and managed unstructured patient data using **MongoDB**.

PropEase (Real Estate Platform)

Full Stack Developer

Tech: React.js, Socket.io, Firebase, Node.js

- Built a neumorphic UI platform with real-time property search capabilities.
- Enabled bidirectional communication between users and agents using **Socket.io**.

## ACHIEVEMENTS

- **2nd Prize:** College Hackathon (LabSeva Project).
- **2nd Prize:** Sci-Tech College Event.