Sanidhya Madeshia

Full-Stack Developer — Blockchain Developer — Web Developer
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EDUCATION

Indian Institute of Information Technology, Kota   2023 – 2027
B.Tech in Computer Science and Engineering

EXPERIENCE

Coordinator & Web3 Lead, Codebase Club — IIIT Kota   2023 – Present

- Led and shipped **blockchain community projects**, deploying dApps and smart contracts using **Solidity, Web3.js, and Ethers.js**.
- Mentored **30+ developers** on smart contract deployment, Git workflows, and collaborative engineering practices.
- Organized weekly hands-on sessions (15+ members) focused on **full-stack + blockchain integration**.

Full Stack Intern, Inbotiq   2024 – Present

- Worked on a **production AI voice bot platform** handling outbound calls and real-time conversational workflows.
- Built backend services integrating **STT, TTS, and LLM-driven pipelines**, with webhook-based event handling for call lifecycle management.
- Improved system reliability using **VAD (Silero)**, session state management, and scalable APIs in **Python, FastAPI, PostgreSQL**.

PROJECTS

TTL-Based Ephemeral Chat & Voice Room Platform   2026 Jan– Present
GitHub   —   Live Demo

- Built a **real-time ephemeral chat platform** (text + voice rooms) where all data **auto-expires after a fixed TTL**.
- Backend written in **Go (net/http + gorilla/websocket)** with a channel-based WS architecture (ingress/egress) and goroutines for concurrent room handling.
- Used **Redis as the sole datastore** for messages, room metadata, presence, and TTL enforcement — no persistent database by design.
- Frontend in **TypeScript + Next.js**; currently integrating **WebRTC voice rooms** using WebSocket signaling (SDP/ICE) tied to room lifecycle.

SolanaPay – Stripe-like Payment Infrastructure for Solana   Oct- Dec 2025
GitHub   —   Live Demo   —   Demonstration Post

- Built a **Stripe-inspired Web3 payment platform** enabling Web2 apps to accept **Solana payments** via simple, developer-friendly APIs.
- Designed a **hosted checkout flow** with product & pricing management, wallet-based payments, and end-to-end payment confirmation.
- Implemented **secure on-chain verification** using Solana transaction signatures, account validation, and confirmation strategies.
- Architected the backend using **TypeScript, Express, Prisma (PostgreSQL), Redis, and Socket.io**, delivering **real-time payment updates**, webhooks, and idempotent APIs with a Stripe-like DX.

ACHIEVEMENTS

- Top 10 finalist in HackTheChain 2.0 Hackathon for blockchain-based innovation.
- 2nd Runner-up at IISER Bhopal National Hackathon, contributing to a scalable AI-driven project.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Go, Python, C++,C , Rust Solidity
Backend & Real-Time: Go (net/http, WebSockets), Node.js, Express, Socket.io, REST APIs
Frontend: React, Next.js
Datastores: PostgreSQL, Redis, MongoDB
Blockchain: Solana & EVM Smart Contracts, Web3.js, Ethers.js
Infra & Tooling: Git, Docker, CI/CD, Vercel