



Kaushal Chaudhari

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Computer Science and Engineering

Bachelor Of Technology

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EDUCATION

•Indian Institute of Information Technology, Guwahati

2022-2026

B.Tech in Computer Science and Engineering

EXPERIENCE

•PayZoll (Previously PayNova) 🌐

Blockchain Developer & Researcher

- Built and deployed payroll smart contracts for PayNova on EVM-compatible chains, handling on-chain disbursement logic.
- Researched W3C DID standards and Verifiable Credentials to design self-sovereign identity layers for Web3 payroll.
- Owned full client-side of PayZoll for production, integrating wallet connectivity and building on Stellar's payment rails.

•TheOpenAssets (Previously Credora) - 3x Wins 🌐

Protocol & Smart Contract Engineer

- Architected and fully implemented ERC-3643 (T-REX) fully on-chain for compliant RWA issuance, engineering identity-bound transfer controls, modular compliance enforcement, and upgrade-safe contract systems.
- Researched ERC-3643 and ERC-7518 to design interoperable, regulation-aligned RWA token primitives across institutional-grade on-chain frameworks.
- Engineered a chain-agnostic RWA execution layer across Mantle, OneChain, Creditcoin, and Stellar, abstracting settlement, custody logic, and lifecycle orchestration into unified cross-chain infrastructure.
- Built cron-driven backend automation for liquidation monitoring and deterministic time-weighted yield distribution aligned with on-chain state transitions.

PERSONAL PROJECTS

•Zera – AI-Powered All-in-One Contract Solution (Winner @Educhain Semester 3) 🌐

September 2025

Built an integrated smart contract solution enabling contract lifecycle management.

- Features: single-prompt smart contract generation, test case generation, documentation generation, and on-chain report generation for complete contract lifecycle automation.
- Leveraged Mistral LLM API for AI-powered code and documentation generation, ensuring high accuracy and reduced development time.
- Tools & technologies used: Solidity, Hardhat, Mistral LLM API, IPFS, Ethereum, Vite, Tailwind CSS.

•Meridian Finance 🌐

February 2026

Designed a privacy-preserving on-chain trade bond protocol on Stellar.

- Built the confidential bond lifecycle (draft→pending→live→settled) using Poseidon-based Merkle commitments and encrypted off-chain storage.
- Implemented Groth16 ZK credential signing with on-chain verification, replacing OTP flows and ensuring non-repudiation.
- Designed selective disclosure via Merkle proofs for verifiable claims without exposing full trade data.
- Developed production dApp flows with Next.js, integrating wallet auth and transaction orchestration.
- Stack: Stellar (Soroban), Groth16, Poseidon, Next.js, Tailwind CSS, Wallet Adapter, Node.js, MongoDB.

TECHNICAL SKILLS AND INTERESTS

Developer Tools: Infura, VSCode, Git, GitHub, Postman, JWT, Chrome Dev Tools, firebase, supabase, cursor, npm, MySQL Workbench, Prisma ORM

Frameworks: Next.js, Nest.js, Typescript, tailwindcss, Bootstrap, Express.js, Hardhat, Foundry

Cloud/Databases: AWS, MongoDB Atlas, IPFS, Filecoin, Pinata

Libraries: Web3.js, Ether.js, Wagmi, React, Openzeppelin

ACHIEVEMENTS

– Winner - BNB Chain Hackathon Q4 (PayNova)

Q4 2024

– 5X Hackathon Winner on Different Chains

– Selected as BNB Chain Martian (As a Dev)

August 2025