

# HARSH KASANA

✉ [harshkasana05@gmail.com](mailto:harshkasana05@gmail.com) [in LinkedIn](#) [GitHub](#) [X](#) [Portfolio](#)

## EDUCATION

Indian Institute of Information Technology, Nagpur

B.Tech in Electronics and Communication Engineering

November 2022 – July 2026

CGPA: 8.37

## EXPERIENCE

Reactive Network

April 2025 – Present

Junior Solidity Developer (April 2025)

- Architected and shipped **ReacDEFI**, the first production DApp on Reactive Network, featured across **Chainwire**, **CryptoSlate**, and **Blockchain Magazine**, securing a **\$9,000 USDT grant** for technical innovation.
- Engineered autonomous Reactive Smart Contracts for DeFi automation including stop-loss/take-profit orders on Uniswap and **Aave liquidation protection**, monitoring positions **24/7** without bots or oracles.
- Built a conversational AI assistant using **Google Gemini** enabling non-technical users to configure and deploy on-chain automations through natural language, eliminating the need for Solidity knowledge.
- Developed cross-chain event-driven architecture on **Base Mainnet** using wagmi/viem, Convex real-time backend, and OpenZeppelin contracts, supporting stop orders, fee collection, and range management.

## PROJECTS

ReacDEFI | [Live](#) | [Next.js](#), [TypeScript](#), [Solidity](#), [Convex](#), [wagmi/viem](#), [Google Gemini](#), [OpenZeppelin](#)

2024 – Present

- Built a no-code DeFi automation platform powered by Reactive Smart Contracts, enabling users to deploy autonomous stop-loss, take-profit, and liquidation protection strategies without writing code.
- Implemented an AI-powered conversational interface that guides users through automation setup and on-chain deployment via natural language, reducing onboarding friction for non-technical DeFi users.
- Designed modular cross-chain RSC architecture deployed on **Base Mainnet** and **Eth Mainnet**, with upcoming integrations for **Uniswap V3** and **Aave**, Leverage Loop strategy autonomous. and **x402 Agents** based micro payments for all autonomous services.

Hashtro | [Live](#) | [Code](#) | [Next.js 15](#), [FastAPI](#), [Solana](#), [Flash SDK](#), [Supabase](#), [Gemini](#)

2025

- Developed a Solana-based AI astrology platform combining Vedic-Hellenistic chart calculation (Swiss Ephemeris) with Google Gemini to generate personalized daily horoscopes, acquiring **160 users within 48 hours** of launch.
- Engineered a trade-verification system using **Flash/Drift perpetual protocol** where users execute 30-second leveraged trades derived from their cosmic data (direction, leverage, ticker), with verified status persisted to Supabase.
- Built a microservices architecture with **3 independent services** (Next.js frontend, Node.js/Express API, Python/FastAPI AI server) with Privy wallet auth, 24h TTL caching, rate limiting, and Supabase RLS.

MetroDiaries | [Live](#) | [Next.js](#), [React 19](#), [TypeScript](#), [Supabase](#), [WebSocket](#), [Tailwind CSS](#)

2025

- Created a commuter-matching platform for Delhi Metro with **250+ station dataset** across 12 lines, matching riders by route overlap and  $\pm 45$ -min time window, onboarding **32 registered users** pre-marketing.
- Implemented real-time WebSocket chat, connection management, trip group messaging, and **KYC verification** (PAN/Aadhaar via Surepass API) with mandatory face-detection onboarding for user safety.
- Designed full-stack architecture with Supabase Row Level Security on all tables, Google OAuth flow, MDX blog, and Resend email notifications, deployed with separate WebSocket service on Render.

## TECHNICAL SKILLS

**Languages:** C++, JavaScript, TypeScript, Solidity, Rust, Python, HTML/CSS, PHP, SQL (MySQL, PostgreSQL)

**Blockchain/Web3:** Reactive Smart Contracts (RSCs), Hardhat, Foundry, Ether.js, Web3.js, wagmi/viem, Chainlink, OpenZeppelin, Flash SDK, Solana/Anchor, Cross-Chain Architecture

**Frameworks & Tools:** React, Next.js, Node.js, Express, FastAPI, Convex, Supabase, MongoDB, Redis, GraphQL, TailwindCSS, Zustand, Docker, Git, Linux, Turborepo

## ACHIEVEMENTS

- Secured a **\$9,000 USDT grant** from Reactive Network for ReacDEFI; product launch covered by **Chainwire**, **CryptoSlate**, **BlockTelegraph**, and **Blockchain Magazine**.
- Won **1st (\$2,000)** and **2nd (\$2,000)** place at the **International Reactive Hackathon 2024** in Template Deployer and Open Track respectively, competing against 397 hackers across 74 projects.
- Secured **two awards** worth **\$400** and **\$600** in a US-based **Open Source Blockchain Bounty Program** for contributions to reactive-bounties and governance automation.
- Won **2nd place** at the **WEB3 Hackathon at IIIT SRICITY** (500+ participants) for an NFT marketplace with real-time pricing strategies.