

Sachin Kumar

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SKILLS

Languages: Solidity, TypeScript, Python, JavaScript, SQL

Blockchain: Ethereum, Base L2, BNB Chain, Hyperliquid, MegaETH, ERC-4337, EIP-7702, Foundry, Hardhat, OpenZeppelin, Ethers.js, Wagmi, Viem

Frontend: React, Next.js, Vite, tRPC, Tailwind CSS, Dynamic Labs, RainbowKit

Backend: Node.js, Fastify, Drizzle ORM, PostgreSQL, Redis, BullMQ, Socket.io, Supabase, Alchemy

WORK EXPERIENCE

MangoWebies

Oct 2025 – Present

Web3 Developer – Solidity, TypeScript, Smart Contracts

- Building **Telshi** – a full-stack decentralized binary prediction market on Base L2, and **Omenly** – its trustless multi-agent oracle infrastructure for automated market resolution
- Developing **admin and sub-admin dashboards** for real-time monitoring of user activity, on-chain transactions, and market lifecycle tracking across the platform
- Authored **5 Solidity contracts** (Foundry) with EIP-7702 gasless relay and USDC settlement, deployed on Base with zero failed transactions across 2,000+ testnet operations
- Integrated **Dynamic Labs** wallet auth and built testing suites (Foundry + Hardhat) catching 12+ contract-level bugs pre-deployment

EDUCATION

Gautam Buddha University

Aug 2022 – Jun 2026

B.Tech in Artificial Intelligence

Relevant Coursework: Artificial intelligence, Blockchain Technology, Cryptography, Zero-Knowledge Proofs, Smart Contract Security, Machine Learning

PROJECTS

Telshi – Decentralized Binary Prediction Market on Base L2

[Live](#)

- Architected a **full-stack monorepo (8 apps)** with React 19 + tRPC frontend and Fastify + PostgreSQL + Redis backend, with **14 background services** for order matching and real-time feeds
- Authored **5 Solidity contracts** (Foundry) with **EIP-7702 gasless relay** and USDC settlement – **zero failed transactions** across 2,000+ testnet operations
- Implemented Dynamic Labs auth/wallet with mainnet-ready architecture (single env swap for production deployment)

Omenly – Trustless Multi-Agent Oracle for Prediction Markets

[Live](#)

- Engineered **Omenly Validator** – a multi-LLM validation pipeline with primary-fallback chain and **MCP tool integration** (Nansen, Polygon, web search) for real-time on-chain data verification (**99.2% accuracy**)
- Built **Omenly Resolver** – a **4-agent consensus system** with weighted confidence scoring that resolves market outcomes autonomously using on-chain data from **Nansen, Polygon APIs**, and off-chain news aggregation
- Designed fault-tolerant **primary-fallback pattern** with MCP-powered tool use across all external data sources, ensuring automatic failover under 200ms

GweAI – AI-Powered Decentralized Exchange

[Live](#)

- Shipped a DEX with **Spot trading, Perpetual Futures, Swaps, and Staking** on Base – 4 core modules in a single interface
- Integrated **Account Abstraction (ERC-4337)** with embedded wallets for fully gasless UX
- Built a **natural language AI trading agent** that executes multi-step operations (swap + stake, limit order chains) autonomously

LEADERSHIP & COMMUNITY

- **Blockchain Head – MLSA Club, GBU:** Scaled community to **100+ members**; organized 8+ workshops on Solidity and smart contract security
- **Smart India Hackathon (SIH):** Built blockchain-based document verification for a government problem statement at India's largest national hackathon
- **Open Source:** 5+ production dApps live on Base, Megaeth, Abstract, and BSC chains