

Bhargav Kacharla

kacharlabhargav21@gmail.com • +91 9146703115 • [LinkedIn](#) • [GitHub](#) • [Website](#)

I build DeFi protocols that move real capital — perpetuals, liquidation engines, and account abstraction stacks across EVM and Solana. Lately I've been using AI agents to automate on-chain execution, running them 24/7 with self-evaluation pipelines.

EXPERIENCE

Nunchi.trade

Senior *Engineer* (*Blockchain and Agents*)

Remote, India

July '25 - Present

- Built an on-chain CLOB matching engine for perpetuals, including matching, Clearing House settlement, risk engine, and liquidation flows, with Pyth and Stork oracle integration.
- Built a real-time on-chain indexer using WebSockets to stream and process contract events, enabling low-latency updates for positions, orders, and liquidation triggers.
- Shipped an AI-native CLI that lets autonomous agents execute liquidation and TP/SL jobs against live positions.
- Developed an on-chain agent marketplace (ERC-8004 / ERC-8183) where agents register for protocol jobs, complete them, and submit proof-of-completion to claim incentives.
- Worked with Quantstamp and Zelic on external audits, owned the full audit lifecycle: triaged findings, applied fixes, and coordinated re-review. Secured contracts with Slither and Trail of Bits tooling.

Novastro

Blockchain and Backend Engineer

Remote, India

Apr '24 - Jun '25

- Developed RWA tokenization platform for real-estate using ERC-3643 with on-chain Compliance, identity registry for token issuance.
- Architected and deployed prediction market protocol in Polygon mainnet with cross-protocol yield generation via Aave, Stader.
- Developed token launchpad Hatchy.fun in Solana with rust, built smart contracts with Anchor framework.

Xalts

Blockchain Engineer

Bangalore, India

Dec '23 - Mar '24

- Implemented Account abstraction (ERC4337) with paymaster integration for EVM chains like Avalanche subnet and Hyperledger Besu.
- Developed in-house infrastructure for Account abstraction with skandha bundlers.
- Managed infrastructure for running nodes of different blockchain networks and bundlers.
- Architected smart contracts for asset tokenization for financial institutions.

Oddz

Solidity Engineer

Bangalore, India

Jan '21 - Dec '23

- Led smart contract development for Oddz protocol (oddz.fi), an options trading platform with concentrated liquidity (Uniswap V3-style) for capital-efficient risk management, staking, and liquidity provisioning. Contracts deployed in Avalanche and BNB chain mainnets.
- Pioneered research on derivative trading in the crypto ecosystem, building a protocol with yield generation mechanisms and enhanced trading capabilities
- Developed a staking platform for liquidity providers and ODDZ token holders to get maximum yield in ODDZ token along with platform fee discount.
- Built automation systems for options protocol workflows, including expiry handling, staking reward distribution, and dynamic risk adjustments using Chainlink Keepers and Gelato for on-chain execution.

Rakuten

Data Engineer

Bangalore, India

Oct '20 - Jan '21

- Architected Datalake for Rakuten telecom department for data scientists to develop intelligent models.
- Research big data technologies for building Datalake to handle petabytes of data using MinIO and YugaByte.

OpenText

Senior Software Engineer

Bangalore, India

Jul '18 - Sept '20

- Developed REST services and enterprise web applications using .NET MVC, TypeScript, and Angular integrating content management systems with third-party APIs.

Tata Consultancy Services

Software Engineer

Bangalore, India

May '15 - Jun '18

- Developed enterprise web applications for banking and telecom clients using C# .NET, JavaScript, and SQL Server. Optimized SQL Server stored procedures, reducing report generation time by 40%

AI ENGINEER PROJECTS

RAG-Based Knowledge Assistant - Built a retrieval-augmented generation (RAG) system with ingestion, chunking, embeddings, and semantic search, using structured outputs and evaluation frameworks to improve accuracy and reduce hallucination. **Checkout:** <https://github.com/bhargav55/ai-rag-pipeline>

AI Smart-Contract Auditor - Built an agentic AI smart-contract auditor that combines LLM reasoning, MCP tool calling, Slither static analysis, and retrieval over a knowledge base of historical exploits to identify risks and produce structured audit findings. Added automated evaluation harnesses, known-bug benchmarks, observability, and Telegram reporting to track quality.

SKILLS & INTERESTS

AI / LLM Anthropic SDK, OpenAI SDK, OpenRouter, MCP, tool calling, RAG pipelines, LangChain, LangGraph, multi-agent orchestration, context engineering, structured outputs, eval frameworks.

Evaluation & Testing Golden dataset creation, automated regression testing, agent behavior evaluation, precision/recall metrics, confidence scoring

Backend Python, TypeScript, Node.js, AWS, GCP, Railway, Postgres, MongoDB, SQLite, Docker, REST / GraphQL APIs

Blockchain Solidity, Rust (Anchor), Move, ERC-4337/3643/4626/8004/8183, Foundry, Hardhat, smart-contract security

EDUCATION

Bachelor of Technology in **Computer Science and Engineering** SASTRA University, Thanjavur, India