

# Suryansh (Suri)

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## Skills

**Languages:** JS/TS, Solidity, Go, Python, Rust, Java, HTML/CSS, C/C++

**Technologies:** Computer Networks, Distributed Systems, Consensus, Cryptography, TheGraph, IPFS, Chainlink, Web3Auth, Viem/Ethers.js, EigenLayer, Zero Knowledge, Substreams, RabbitMQ, Figma, React.js, Next.js

## Work Experience

### Junior Web3 Full Stack Engineer

*January 2025 – Present*

*Nefture*

- Engineered and deployed **15+ DeFi metrics** for a protocol-agnostic **Portfolio Management System (PMS)** — covering **capital interactions, APR, P&L** etc. across infrastructure of **12+ APIs**.
- Implemented **onchain pricing strategies**, indexing price feeds across **25+ DeFi protocols** for **500+ unique assets types** to deliver protocol-agnostic, production-ready price data.
- Led architecture, implementation and integration of a **DeFi simulator for looping strategies** across different protocols. Implemented **10+ critical metrics**, support for more than **300+ strategy markets**.
- Developed and maintained robust **Automated Testing pipelines using Jest**, executing over **1,200 test cases** weekly across **300+ on-chain markets** to ensure system reliability and accelerated deployments.

### Blockchain Developer Intern

*April 2024 – December 2024*

*Deon Labs*

- Designed and implemented a scalable blockchain data solution processing **5,000+ data points** at **Sub-Second Latency** in real-time, ensuring critical uptime.
- Led the architecture and development of a robust **chain abstraction** infrastructure, building **15+ robust components** to enhance blockchain interoperability.
- Developed a streamlined backend integration for blockchain solutions, optimizing processes for **10+ real-world DApps**, resulting in improved satisfaction.

### Full-Stack Engineer

*Part-time*

*Freelance*

- Developed a DEX aggregator backend for **Uniswap V2/V3 forks** on Hyperliquid, delivering **competitive swap quotes** with **<300ms latency**, demonstrating superior performance compared to existing aggregators in price and speed.
- Implemented a native Substreams module in Rust for **indexing Aerodome protocol** for Dex Aggregator Infra under the **ERC 7815 Standard Interface**.

## Achievements

### ETHGlobal New Delhi 2025 - Finalist & Partner Prize Winner

[Link ↗](#)

Finalist (Top-10 of 616). Won Polygon x402 Agentic Payments track (**1st place**) and The Graph — Hypergraph prize (**2nd place**).

### Secured Builder Grant from Hyperlane

[Link ↗](#) | [Github ↗](#)

Built hyperlane-mcp (MCP) for cross-chain AI agent orchestration across 150+ blockchains. Secured **\$5,000** under the Hyperlane Bounty Program.

### ETHGlobal Buenos Aires 2025 - Prize Winner

[Link ↗](#)

Won Uniswap Foundation — Uniswap v4 Volatile-Pairs Hooks (**1st place**), Pyth Network — Most Innovative use of Pyth pull price feeds (**1st place**), and Oasis Protocol — Build with Oasis (**3rd place**); **\$9,500 total**.

### ETHGlobal Bangkok 2024 - 4 Tracks Bounty Winner

[Link ↗](#)

Built degenOS (Cartesi Rollups + Avail DA). Secured **4 bounties totaling \$5,600** from Cartesi, Avail, The Graph, Blockscout.

## Uniswap UHI 4 Hackathon Winner

[Link ↗](#) | [Github ↗](#)

Engineered **Liquidity Oracle**, a decentralized Uniswap-v4 analytics platform leveraging **EigenLayer AVS** and **V4 Hooks** for real-time liquidity metrics and risk insights. Secured joint bounties worth \$4000 from EigenLayer & Uniswap Foundation.

## Projects

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### P.A.T

[Demo ↗](#) | [Github ↗](#)

- Built **P.A.T**, a proprietary AMM launchpad on **Uniswap v4 Hooks** that overrides default curve pricing with custom curve logic, while preserving on-chain settlement guarantees and composability.
- Implemented an asynchronous batch-based swap model executed inside an **Oasis Runtime TEE (ROFL)**, integrating **Pyth pull price feeds** for oracle-driven pricing and an **adapter interface** for plug-in market-maker strategies.

### degenOS

[Demo ↗](#) | [Github ↗](#)

- Engineered **degenOS**, a decentralized operating system leveraging **Cartesi Rollups** and **Avail DA** to enable seamless interaction with **Web3 applications** in a trustless & verifiable manner along with secure off-chain computations.
- Developed proof-of-concept **dApps for token exchanges, DeFi analytics, and cross-platform identity mapping**, optimizing usability and security in a unified ecosystem on the decentralized compute platform.

### Liquidity Oracle

[Demo ↗](#) | [Github ↗](#)

- Built **Liquidity Oracle** with **Uniswap v4 Hooks + EigenLayer AVS** to extract on-chain metrics (spread, depth, HHI, cosine similarity and other dynamic statistical measures).
- Developed **Rust/TypeScript** indexer, AVS attester, and **React** dashboard for event processing, attestation verification, and display of EWMA/entropy volatility and liquidity forecasts.

### Autonome

[Demo ↗](#) | [Github ↗](#)

- Built **Autonome**, an agentic payments & identity stack: **x402** gated access on **Polygon**, ENS subname registry for agent/provider identities, and **Chainlink** verification; indexed public metadata on **Hypergraph (The Graph)**.
- Delivered end-to-end system: **Solidity** registrar (Polygon PoS), **TypeScript** SDK/middleware, **Gemini CLI** agent, and **React** UIs for provider onboarding & consumer demo.

**Other Projects:** [Fission ↗](#) (*cross-chain atomic swaps 1inch Fusion+ ↔ Sui*); [Intendo-64 ↗](#) (*natural-language intents for DeFi primitives*).

## Research Articles

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Writing: [heysuri.xyz/writing ↗](#)

## Extra Curricular Activities

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### Organizer - LNMHacks 6.0 & 7.0

[Link ↗](#) | Jan 2024

Organized and led LNMHacks 6.0 & 7.0, securing partnerships worth \$7,000 & \$8,000 resp. with top blockchain protocols. Enhanced community engagement and digital innovation.

### Publication - International Conference Paper

[Link ↗](#) | Jan 2024

*Advancing Class Diagram Extraction from Requirement Text: A Transformer-Based Approach*

Researched and Developed a Novel-Transformer based approach to extract UML Class Diagram Entities from real-world software requirements.