

# Aryan Kaushik

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Smart Contract Engineer | Backend & Data Systems

## SUMMARY

**Software Engineer** with specialized focus on **Blockchain Architecture** and **Data Infrastructure**. Experienced in building production-grade Smart Contracts using Foundry and developing Python-based automation systems for data analysis. Passionate about bridging the gap between on-chain logic and off-chain data processing to build robust decentralized applications.

## TECHNICAL SKILLS

**Blockchain Engineering:** Solidity, Foundry (Testing/Scripting), Hardhat, OpenZeppelin, ERC Standards, Gas Optimization.

**Backend & Data:** Python (Pandas/Requests), SQL (PostgreSQL), FastAPI, Data Pipeline Automation, Web3.py.

**Development Tools:** React.js, Next.js, TypeScript, Git, Docker, Linux, Postman.

## EXPERIENCE

### Prolific Technologies

July 2024 – Dec 2024

*Software Engineering Intern (Python Automation)*

*Remote*

- Developed and maintained **Python automation scripts** to execute trading logic based on pre-defined statistical parameters, reducing manual intervention and error rates.
- Built robust data pipelines to ingest and process real-time market data, ensuring system reliability similar to **blockchain indexers and keeper bots**.
- Implemented comprehensive logging and error-handling mechanisms to ensure 24/7 uptime for automated tasks.

### JK Tyre

July 2023 – Aug 2023

*Data Science Intern*

*New Delhi, India*

- Automated data cleaning and preprocessing workflows using Python (Pandas), transforming raw unstructured data into structured formats for analysis.
- Worked with large datasets to assist in demand forecasting, gaining experience in efficient data handling and optimization.

## PROJECTS

### EVM Portfolio Intelligence Engine | *Python, FastAPI, PostgreSQL, Solidity, Foundry*

Feb 2026 – Present

- Building a full-stack analytics platform that aggregates user transaction history across the EVM ecosystem to generate **True Profit & Loss** reports (accounting for Gas fees).
- Developing a Python-based backend that uses heuristic algorithms to classify ambiguous on-chain transactions (Trade vs. Transfer vs. Spend).
- Implementing a "Wallet Health Score" system that analyzes holding behavior and gas efficiency.

### Reactive Governance Protocol | *Solidity, Foundry, OpenZeppelin*

Nov 2025

- Designed a gas-optimized governance system using "Reactive Snapshots," reducing voting gas costs by **40%** compared to standard ERC20Votes.
- Wrote extensive **Foundry test suites** to verify logic correctness, simulating complex scenarios like vote delegation and proposal execution.

### DAElect - DAO Infrastructure | *Solidity, React, Wagmi, Foundry*

Jun 2025

- Developed a modular DAO framework allowing permissionless token creation and time-locked voting proposals.
- Deployed contracts to **Sepolia Testnet** and built a React frontend for users to interact with the governance system transparently.

## EDUCATION

### Vivekananda Institute of Professional Studies

New Delhi, India

*Master of Computer Applications (MCA) | CGPA: 8.5/10*

*2024 – 2026*

### Amity University

Noida, India

*Bachelor of Computer Applications (BCA) | CGPA: 8.03/10*

*2021 – 2024*

## ACHIEVEMENTS

**Winner - Project Concave 2025:** 1st Prize for "DKP - Decentralised Knowledge Proof" system.

**Alchemy University Certified:** Certified EVM Chain Developer (EVM Architecture & Solidity).

**ATSTP Startup Incubation Program:** Amity Talent Search and Training Program for Web3 prototype development.

**Community Lead:** Organized technical events for 300+ students as Lead at Technophilia.