

# Aryan Kaushik

Smart Contract Developer | Blockchain Researcher

Building efficient DAO & governance systems on Ethereum

Delhi, India | aryankaushik251@gmail.com | +91 79826 56751  
[GitHub](#) • [LinkedIn](#) • [X](#)

## Summary

Smart Contract Developer and Blockchain Researcher passionate about decentralized governance, **DAO** systems, staking logic, and scalable on-chain coordination. Experienced with **Solidity**, **Foundry**, and Hardhat for secure contract development. Creator of open-source governance models and a published IEEE author (research). Interested in ZK-based governance and efficient DAO architectures, and proficient with GenAI tools for faster prototyping and development automation.

## Technical Skills

**Smart Contracts:** Solidity (Advanced), Rust (Intermediate), Hardhat, **Foundry**

**Blockchain Concepts:** DAO Architecture, Governance Systems, Staking Logic, ERC-20/721 Standards

**Full Stack:** JavaScript, React, Node.js, Express, SQLite, Wagmi

**Tools & Others:** Git, VSCode, Postman, Vercel, Linux, Deep Learning (TensorFlow/PyTorch), Python (PCAP), GenAI Tools (ChatGPT, Claude, GitHub Copilot, Cursor IDE).

## Selected Projects

### **Reactive Governance (2025) - [GitHub](#)**

Proposed a novel 'reactive snapshot' governance model resolving the DAO trilemma between scalability, gas efficiency, and security. Reduced governance gas cost by ~40% vs ERC20Votes through on-demand balance recording. Implemented full **Foundry** test suite simulating multi-user proposal lifecycles.

### **DKP - Decentralised Knowledge Proof (2025) - [GitHub](#), [Demo](#)**

Built a blockchain-based system for decentralized information submission, verification, and curation using **IPFS** for storage and React for the UI. Designed a Proof-of-Knowledge reputation mechanism to improve Sybil resistance.

### **DAEelect - DAO Governance App (2025) - [GitHub](#)**

Developed a modular DAO framework enabling ERC-20 token creation, time-locked staking contracts, and weighted proposal voting. Frontend uses React, Wagmi, and Ethers.js. Deployed and tested on Sepolia testnet.

## Experience

### *Prolific Technologies - Freelance Algorithmic Trading Developer (Jul 2024 – Dec 2024)*

Designed and deployed neural-network-based stock prediction models integrated with automated trading in Futures & Options. Gained experience in model optimization and low-latency deployment.

### *JK Tyre - Data Science Intern (Jul 2023 – Aug 2023)*

Conducted ethnographic research for consumer analysis and developed a sales forecasting model using public datasets.

### *Orbo.ai - Machine Learning Intern (May 2023 – Jun 2023)*

Built CNN models for emotion detection using transfer learning (TensorFlow).

## Education

### **MCA - Vivekananda Institute of Professional Studies (2026) CGPA: 8.5**

### **BCA - Amity University, Noida (2024) CGPA: 8.03**

### **12th (CBSE) - Mamta Modern Sr. Sec. School (2021) 84.25%**

## Leadership & Achievements

- Winner - Project Concave 2025 (VIPS TC Placement Cell):** Awarded 1st Prize for presenting DKP - Decentralised Knowledge Proof.
- ATSTP Startup Incubation Program (Web3 Track) -** Selected among **20 students out of 2300+** under the Amity Talent Search and Training Program for Web3 prototype development.
- Top 5 Finalist - Intel Deep Learning Hackathon -** Built a trading analytics system analyzing real-time news and charts for sentiment-based predictions.
- Core Team Member - AI Club, Amity University -** Organized technical workshops and peer-learning sessions on AI and blockchain for 100+ students.
- Participant - Smart India Hackathon (SIH) -** Developed a blockchain-based security framework for a Learning Management System (LMS).

## Certifications

Alchemy University - EVM Chain Certification

Blockchain Bootcamp (Beginner to Advanced) - Code Eater