

Aryan Kaushik

Smart Contract Developer | Blockchain Researcher

Building efficient DAO & governance systems on Ethereum

Delhi, India | aryankaushik251@gmail.com | +91 79826 56751

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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.

DAElect - 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