Arif Shaik | Hyderabad, India | Gmail | LinkedIn | GitHub

PROFILE SUMMARY

- Smart contract developer with hands-on experience building and testing Ethereum dApps using Solidity, React, and Ethers.js. Strong focus on correctness, invariant-driven design, and fund safety through unit, fuzz, and invariant testing. Actively learning Cairo and StarkNet to understand execution-level constraints and security assumptions in ZK-based Layer 2 systems.

EDUCATION

Degree	Institution	Location	Year	Score
B.Tech in Computer Science	CMR Engineering College	Hyderabad	2021-2025	7.79
Intermediate (MPC Stream)	Kavitha Junior College	Kodad, Telangana	2019-2021	96.6%

TECHNICAL SKILLS

- **Blockchain & Smart Contracts:** Solidity, Cairo, ERC Standards, DeFi Protocols

- **Ethereum & L2 Ecosystem:** Ethereum, StarkNet, ZK-Rollups

- **Web3 Libraries:** Ethers.js, Web3.js

- **Frontend:** JavaScript, React, Next.js

- **Testing & Security:** Unit Testing, Fuzz Testing, Invariant Testing, Mocha/Chai, Foundry

- **Dev Tools:** Hardhat, Foundry, Git, GitHub, VS Code

- **Infra & APIs:** Alchemy, Infura, Chainlink, The Graph, IPFS

TECHNICAL PROJECTS

- **Decentralized Crowdfunding Platform**   **GitHub**   Aug 2025 – Sep 2025

  - Built an Ethereum smart contract that locks contributions until a funding goal is met; contributors can withdraw anytime before the goal is reached.
  - Achieved 92% test coverage with Hardhat and Foundry, including edge cases such as zero-value contributions, duplicate withdrawals, and goal-exact matches.
  - Built a responsive React frontend with Ethers.js for creating campaigns, contributing ETH, and monitoring real-time status—all tested on Sepolia.
  - **Key learning**: Importance of clear state transitions and user-controlled fund safety in trustless systems.

- **Multi-Party Payment Splitting DApp**   **GitHub**   Jun 2025 – Jul 2025

  - Created a Solidity contract to split incoming ETH among multiple addresses based on pre-defined percentages.
  - Mitigated rounding errors by performing arithmetic on scaled integers and enforcing that total shares sum exactly to 100%.
  - Implemented a React frontend with Ethers.js to manage participants, initiate payments, and display real-time transaction history.
  - **Outcome**: Reduced manual reconciliation and human error, providing immediate, immutable payment finality.

ACHIEVEMENTS

- **Open Source Contribution — Cairo Book (StarkNet)**

  - Reported and documented functional and usability issues in the official Cairo Book, including frequent playground request timeouts for valid code examples.

- ○ Identified a navigation issue where the sidebar failed to reflect the active section after page transitions.
- ○ Engaged in maintainer discussions; both issues were reviewed and closed by the core documentation team.

- **Public Blockchain Knowledge Base** **Notion**
  - ○ Built and maintained a structured public knowledge base covering Ethereum, Solidity, Hardhat, Foundry, Ethers.js, DeFi, Layer 2s, Cryptography, IPFS, and Smart Contract Security.
  - ○ Focused on execution flow, protocol mechanics, testing strategies, and invariant-based reasoning.
  - ○ Content has been accessed by **400+ readers**, indicating practical value to other developers and learners.

CERTIFICATIONS

- Cyfrin Updraft — Solidity Smart Contract Development

- Alchemy University — Ethereum Developer Bootcamp

HOBBIES & INTERESTS

- Passionate about blockchain innovation and Web3 communities

- Enjoy playing cricket to stay active and develop team skills