

Aditya Chaplot

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EXPERIENCE

MERCLE | LEAD BLOCKCHAIN & BACKEND DEVELOPER

July 2025 – Current

- Built GPU-accelerated encryption and Merkle-proof systems, and developed production-grade Solana token/program contracts.
- Led deployment and ongoing maintenance of these contracts, collaborating with external auditors and resolving audit findings for secure production releases.

PLDG (PROTOCOL LABS | FILECOIN) | OSS CONTRIBUTOR

Oct 2024 – Current

- Contributing across 10+ projects in the Filecoin ecosystem, primarily around decentralized storage workflows.
- Reviewed security issues and bug bounty submissions, implementing necessary fixes.
- Wrote integration guides, onboarding docs, and example scripts to speed up developer adoption and reduce support requests.

ZKAGI | CORE WEB3 DEVELOPER

March 2024 – July 2025

- Rust/ZK Proofs: Developed decentralized GPU clusters using zkSNARKs for cryptographic computations.
- Developed Quant Trading Agents, Contracts , Launchpad BOT.

CYBER SECURITY : GDSC IIITV | VOLUNTEER

Oct 2022 – Aug 2023

- Organized workshops and hackathons to promote cybersecurity awareness.

ROBOTICS AND WEB3/BACKEND | FREELANCING

Jan 2021 – Jan 2023

- Built many personal and Freelance Projects.

PROJECTS

NFCARE | NFC TECHNOLOGY, BLOCKCHAIN, NODE.JS |

ethglobal.com/showcase/nfcare-618ac

- Built a system to verify real-world assistance at large events using NFC tags.
- Integrated blockchain for streamlined help requests and reputation tracking.

GASDAQ | REACT, SOLIDITY, BASE CHAIN | gasdaq.vercel.app

- Built a prediction AMM for on-chain gas prices with real-time LP math and oracle integration.
- Optimized gas usage by 30% using Foundry profiling and contract refactoring.

ARITHMOAI | PYTHON, WEB3, TRADING, AGENTS |

dorahacks.io/buidl/25965

- Built an autonomous trading agent for CEX futures using NLP, quants, and TokenMetrics.
- Deployed multi-chain wallet modules and integrated 15+ TA indicators.

PIXELPALS | REACTNATIVE, SOLIDITY, API3 |

ethglobal.com/showcase/pixelpals-da2pq

- Created a geo-location based game integrating NFTs and DeFi.
- Employed API3 QRNG for randomized coordinates.

EDUCATION

IIIT VADODARA

BTECH IN COMPUTER SCIENCE

2021 - 2025

Gandhinagar, Gujarat

LINKS

GitHub: [adielliott37](https://github.com/adielliott37)

Portfolio: Aditya.Portfolio

SKILLS

LANGUAGES

- HTML • C/C++ • Assembly
- Javascript • Solidity • Rust • YUL
- Python • Move • Go • Typescript

FRAMEWORKS AND TOOLS

- React.js • Next.js • zkSNARKs • FHE
- Optimistic Oracle Protocols • Node.js • Express.js
- ethers.js/web3.js • Hardhat
- Ethereum • L1/L2 • Solana • CI/CD
- Robotics • Arduino/RaspberryPi • IoT
- Quants • Trading Algorithms • Risk Management • EVM

SMART CONTRACT ENGINEERING

- Multi-chain Deployments (20+ EVMs), Contract Verification (Sourcify/Etherscan)
- Foundry: Testing, Profiling, Gas Optimization
- Yul / Low-level EVM Assembly, Security Best Practices (Reentrancy/Auth)
- Bug Bounty Review & Security Patching, Key Management & Multisig (Safe)
- Solana Dev Tools: Helius, Web3.js, Solana RPC, Anchor, Program Debugging
- Developer Experience: SDKs, Code Samples, Docs, Automation Scripts (TS/Bash)

ACHIEVEMENTS

ETH GLOBAL 2023 – 2024

Winner: FVM Prize (Scaling Ethereum 2023 | 2000 USD)

Winner: Polygon Bounties (3×)

Winner: ETHGlobal Istanbul 2023 (7500 USD)

Winner: ETHGlobal Bangkok 2024

OTHER ACHIEVEMENTS

Winner: Endgame Hackathon, Austin TX (3000 USD)

Grants for PixelPals (Skale Labs), Aptos Labs, Consensus 2025

Raised 500K+ USD in grants + VC funding

Led backend serving 100K+ users

Scaled a Telegram-based trading bot to 10K+ users and over 200K USD in trading volume

Top 10 in Solana CTF worldwide @solctf