Saurabh Mandavkar

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Summary

I am a **Blockchain Security Engineer** with **2.5+ years** of hands-on smart contract auditing experience, specializing in **Ethereum, Solana, DeFi protocols, and ZK-adjacent systems**.

Audited 30+ production protocols, contributed to industry-standard security tooling, and supported incident-response war rooms for hacked protocols. I have a strong background in **Solidity, Rust** and formal security analysis. I also helped a **Defi protocol** with **designing and developing** their smart contracts.

Experience

Smart Contract Developer & Researcher | 07/2025 - 12/2025 | CavachFi

- Helped [CavachFi](#) protocol build smart contracts
    - **Designed and developed** smart contracts as per the protocol requirements
    - **Researched** on ways to manage liquidity of the protocol
    - Wrote smart contract test suite for the protocol

Freelance | 11/2025 - 12/2025

- Did **private audits**

Smart Contract Auditor | 06/2022 - 06/2025 | QuillAudits

- Audited contracts, report creation and provide remediation
    - **Audited** 40+ projects and protocols, provided remediation for them
    - Actively participated in **war room** like situation for hacked protocols, delivering rapid root cause analysis and mitigation
    - Authored detailed **audit reports** with reproducible PoC, attacked scenarios and gas-optimization remedies
- Created and Updated audit guidelines
    - Wrote audit guidelines on few ERC's for internal work such as **ERC4626, Staking protocols**
- Research on security topics
    - **Researched about solana security vulnerabilities**
    - **Developed CTF like challenges** for [Calyptus](#)
    - (https://github.com/aga7hokakological/issues)

Smart Contract Audits

[AUDIT PORTFOLIO](#)

Contributions

Contributed to security tools and blockchain project

- https://github.com/crytic/slither/pull/1824
- https://github.com/crytic/slither/pull/1823
- https://github.com/gakonst/ethers-rs/pull/1760
- https://github.com/0xMiden/miden-vm/pull/210

Actively participated in public audits to secure protocols
- [aga7hokakological](#)

Software Projects

Solana security

- https://github.com/aga7hokakological/solana_issues

- **Researched** solana account models from security standpoint
- Published exploit and findings publicly
- Developed **CTF challenges** for **Calyptus**

goto

- https://github.com/aga7hokakological/goto
- Learned about generics, tuples, CLI inputs using rust language
- Implemented program to change the directory without entering full path

quadratic

- https://github.com/aga7hokakological/quadratic
- Built smart contract using quadratic funding formula using solidity and hardhat

simplechain
- https://github.com/aga7hokakological/simplechain
- Learned how PoW works Learned about different libraries of rust and crypto
- Implemented simple blockchain from scratch

Programming Languages

- Solidity - Rust - Python - Go - Move - Sway

Core Skills (Tooling)

- Foundry - Fuzzing - Echidna - Hardhat - Slither - AI

Education

Information Technology | TERNA ENGINEERING COLLEGE | 06/2021 | Navi Mumbai
- Major: Information Technology, B.E (8.16 CGPA)
- Programming Course: Algorithms and Data Structures, Operating systems, Computer Network & Security, Artificial Intelligence

Certificates

Google Cloud Platform Fundamentals, ICSI Certified Network Security Specialist

Co-Curricular Activities

Google code-in 2016 Participation

- Wrote positive article about an organization Provided organization with promotional ideas

Maharashtra Olympiad Moment
- Thane District Ranker