

# Atharva Chewale

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## Summary

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Proficient **Solidity** smart contract developer with deep understanding of **EVM** and **ERC design** aspects of smart contract development. Experienced in developing and **auditing** smart contracts, with emphasis on clean code and **security**.

## Education

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**Indian Institute of Technology, Gandhinagar | Gujrat**  
**Bachelor's Degree in Computer Science | 08/2021**

## Internship

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**Immunebytes | Delhi**  
**Smart Contract Auditor Intern | 06/2022 - 12/2022**

- Manually reviewed Smart contracts for Security vulnerabilities.
- Automated testing using slither to detect security vulnerabilities in the smart contract.
- Implemented unit test cases for extensive code coverage.
- Created Proof-of-Concept (POCs) for attack vectors using foundry.
- Produced clear and concise Smart Contract Audit reports.
- Assisted business development team with technical explainers.

## Projects

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### [yieldVaults](#)

- An ERC4626 vault implementation that accepts DAI asset with AAVE pools as yield source.
- users can deploy minimal clones of the vault implementation contract
- beacon proxy upgradable main vault implementation.
- fork testing for correct smart contract behaviour prior to deployment
- tools : solidity, openzeppelin-upgradable, AAVE, DAI, foundry, sepolia testnet, infura, ethers.js, HTML, CSS, JavaScript

### [Solidity\\_Cheatsheet](#)

- Compilable solidity cheatsheet developed with foundry
- playing with solidity features and testing with test cases

### [Assembly\\_Cheatsheet](#)

- Compilable inline assembly cheatsheet developed with foundry
- notes on inline assembly opcodes and memory, storage handling

## Skills

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Solidity, inline assembly, Proxies and Design Patterns, Foundry, Openzeppelin, Unit Testing, Smart Contract Security, ethers.js

## Achievement

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- Secured #14 in Secureum RACE-9 leaderboard.
- All India Rank 3161 out of 2 lakh students in JEE Advanced 2017

## Interests

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- listening to bankless, The Daily Gwei, UnCommon Core
- trying C4 contests, learning about vulnerabilities in solidity smart contracts