

# Atharva Chewale

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## WORK EXPERIENCE

**ImmuneBytes** | Smart Contract Auditor Intern

Delhi | Aug 2022 – Dec 2022

- Conducted manual review of smart contracts for potential security vulnerabilities and attack vectors.
- Automated testing using tools like slither and foundry fuzzer to detect security loopholes.
- Designed and Implemented unit test cases for extensive coverage of possible edge cases.
- Identified loopholes and Created Proof-of-Concept (POCs) for attack vectors using foundry.
- Compiled the security review findings into clear and concise Smart Contract Audit reports.
- Crucial role in 3 business meetings as technical support for the business development team.

## ACHIEVEMENTS

**20** total github stars earned so far for the ongoing 5 part Essentials Series

April 2025 – Present

**2** high severity issues Identified and fixed in Riffle lending protocol

Nov 2024 – Dec 2024

**14<sup>th</sup>** rank in RACE-9 Secureum Audit Contest out of 75 candidates

July 2022 – Aug 2022

**3161** All India Rank in JEE Advanced out of 200,000 candidates

July 2016 – May 2017

## EDUCATION

**Indian Institute of Technology Gandhinagar | IIT GN**

Gandhinagar | August 2017 – May 2021

Bachelor of Technology in Computer Science Engineering

6.85 CGPA

## PROJECTS

**Essential-Solidity-Cryptography** 

solidity, foundry, Cryptography | March 2025 – Present

- Curated a one stop resource that interconnects all the relevant cryptography concepts for solidity devs.
- Comprehensive coverage of concepts from hashing, salted hashing, commit reveal schemes, merkle proofs, encryption, elliptic curves, keys, asymmetric encryption, signature creation and signer recovery, transaction signatures, signed message signatures, eip191, eip712, eip2612, eip1271, randomness
- Structured in a format that highlights the problem, solution, implementation, use cases and an example.
- Supplemented the notes with compilable code examples and ASCII diagrams for advanced concepts.

**Essential-EVM-Assembly**  | 8 stars

solidity, foundry, EVM | Feb 2025 – April 2025

- Created a clean and concise resource on the essentials of EVM crucial to understanding inline assembly.
- Consolidated complex concepts with interconnections from basic bits and bytes upto inline assembly.
- Constructed ASCII diagrams for low level architecture layouts of memory, calldata, storage and stack.
- Crafted simple compilable examples of yul functions demonstrating inline assembly implementations.

**Essential-Solidity**  | 9 stars, 1 fork

solidity, foundry | Jan 2025 – March 2025

- Created concise guides on essential Solidity features, highlighting potential footguns and best practices.
- Included protips for advanced topics like type system, low level calls, error handling.
- Crafted simple compilable examples for all the topics that demonstrate solidity in action.
- Designed to be beginner friendly resource that progresses from basics to advanced concepts.

**YieldVaults** 

solidity, foundry, aave v3, ethers.js, HTML | Jan 2024 – Feb 2024

- ERC4626 Vault implementation that accepts DAI asset with aave v3 pools as yield source.
- Users deploy minimal clones of the Vault contract and earn yield from aave v3 pools.

## SKILLS

solidity, inline assembly, cryptography, testing, auditing, Foundry, Git, HTML, JS

## INTERESTS

Participating in r/solidity subreddit community, Listening to crypto podcasts, Learning smart contract security.