

Kartik Giri

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Skills

Languages: Solidity, JavaScript, Typescript, Java, Python, C/C++

Technologies & Tools: Foundry, Hardhat, Unit testing, Invariant testing, Openzeppelin, Solmate, Upgradable Proxies, Chainlink, Node.js, ReactJS, NextJS

Soft skills: Effective communication, problem-solving, adaptability, teamwork, and attention to detail.

- I **design, build, test, audit, deploy** and **verify** protocol smart contracts from scratch to production level.
- Use **ReactJS / NextJS** to build user friendly full stack DApps.
- I excel in **problem-solving, adaptability** and **teamwork**.

Work Experience

Bright peers, Ahmedabad

June 2024 - Present

Blockchain Developer

- Led the protocol engineering of **We The People** stable coin project created it's architecture and build the smart contracts from scratch.
- Wrote secure and gas efficient smart contracts with best development practices and tests cases for each function in foundry.
- Did a manual audit for it.
- Save decent amount of gas by using best gas efficient practice.

Codearena

March 2024 - Present

Smart contract auditor

- Warden on Codearena.
- Recent highlights on Codearena include finding 2 high vulnerabilities in **AI Arena** and **DYAD** protocol and 2 medium vulnerabilities in **Althea Liquid Infrastructure** and **Ondo Finance** protocol.
- Learned about **Defi games, Real World Assets, Stablecoin** and **Infrastructure Tokenization**.

Sherlock

March 2024 - Present

Smart contract auditor

- Watson on Sherlock.
- Recent highlights on Sherlock include finding 1 high vulnerability in **RadicalXChange** protocol and 1 medium vulnerability **Amphor** protocol
- Learned about **Lending & Borrowing protocols, Vaults** and **Defi Auctions**.

Education

Gulzar Group of Institutions

Aug 2021 - July 2024

B.C.A (Bachelor of Computer Applications)

CGPA: 7.39/10

Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Data Mining, Advance Data Structures and Algorithms, Information Retrieval, Image Processing

Project Work

- **Exogenously collateralized stablecoin:** Developed and test stablecoin backed by external assets like ETH and WBTC. Used **chainlink price feeds** to fetch real time price of ETH and WBTC from **chainlink oracle**. Learned about **Collateralized debt position** protocol in defi and their working at deep level.
- **Lottery DApp:** Built decentralized lottery dapp using **Chainlink VRF** for random number generation and **Chainlink Keepers** for automation and **NextJS** for front end.

Courses

- **Cyfrin updraft - Foundry Fundamentals & Advanced Foundry & Assembly and Formal Verification**
- **Cyfrin updraft - Smart Contract Security and Auditing**