Ishan Suryawanshi

Programmer
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Summary

Driven by a passion for technology, I am deeply interested in blockchain technology and development. My experience includes implementing machine learning algorithms and utilizing ANN and CNN within TensorFlow for classification challenges as part of Task Phase at Student Project Manas. I have also completed web3 projects such as building a DeFi protocol, a cross-chain rebate token, and upgradable contracts. I am skilled in Python, Solidity, JavaScript, C++, and Rust, and am fluent in English.

Experience

Student Project Task Phase Member
Manipal Institute of Technology, Manipal, Karnataka, India
October 2023 – March 2024

- **Implemented simple ANN and machine learning algorithms from scratch** (linear regression, logistic regression, k-means clustering).
- **Developed decision trees and naive Bayes models.**
- **Utilized ANN and CNN with TensorFlow for classification problems.**
- **Completed tasks in OpenCV:** tracking ball trajectory and counting people.

Education

BTech in Computer Science: Data Science
Manipal Institute of Technology, Manipal, Karnataka, India
July 2023 – May 2027 (Expected)

Technical Skills

- **Data Analysis, SQL, and Machine Learning**
- **Docker and Git**
- **Python**
- **Solidity and Foundry**
- **Rust**
- **C++:** Data Structures, Algorithms, and Problem Solving

Blockchain Experience

- **Built a DeFi protocol and a cross-chain rebase token.**
- **Developed upgradable smart contracts.**
- **Worked with mock addresses, contract security, and ERC20 mocks in blockchain testing.**
- **Experience with secure key management in blockchain development, including deployerKey in Forge scripts and understanding private key equivalence with MetaMask.**
- **Used Foundry and OpenZeppelin for Ethereum development, focusing on stablecoin and ownable contracts; interested in security vulnerabilities like reentrancy attacks.**

Certifications

- **Cyfrin Updraft Courses:** Foundry Fundamentals, Advanced Foundry

Languages

- **Fluent in English and Hindi**

Interests

- **Blockchain technology and development**
- **Smart contract security**
- **Web3 innovation**

References available upon request.