

Nithin Kumar Pedda (Scater)

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Portfolio: block-programr.github.io

ABOUT

Competitive smart contract auditor with strong experience in DeFi security

Active participant in audit contests and blockchain and crypto CTFs, building deep understanding of protocol design, edge cases, and attack vectors

Experienced in manual code reviews, fuzz testing, and static analysis on EVM-based protocols

Portfolio audits and projects: block-programr.github.io

EDUCATION

Rajiv Gandhi University of Knowledge Technologies (RGUKT), Nuzvid

Expected 2027

- Bachelor of Technology in Computer Science & Engineering - GPA: 8.6/10 (overall)

EXPERIENCE

Competitive Smart Contract Auditor

Remote

Code4rena, Cantina, sherlock

2025 - Present

- **Ekubo Protocol (Code4rena)**: Secured **1st Place** in Quality Assurance (QA). Awarded **\$1,515** for comprehensive report quality and edge-case coverage
- **Kuru Protocol (Cantina)**: Identified a confirmed **High-Severity** vulnerability involving complex state inconsistencies. Awarded **\$605**
- **Megapot Protocol (Code4rena)**: Secured **16th Rank** globally in the contest (*177reward*)
- Utilize hybrid methodology: Manual review + Fuzzing (Foundry/Echidna) + Static Analysis (Slither)

Team HackerTroupe

Remote

CTF Player - Blockchain Security

Ongoing

- Actively participating in global CTFs across blockchain and crypto categories
- Global Rank **#56** in Blitz CTF 2025 (Blockchain Security)
- Rank **#13** in CyberTEA 3.0 (National Level CTF by IIIT Sri City)
- Rank **#20** in HackerGambit 2025 (National Level CTF)
- Regularly solve challenges on Ethernaut, Damn Vulnerable DeFi, and Capture the Ether

PROJECTS

UMI (U and Me) – Peer-to-Peer Messaging System[\[Link\]](#)

May 2025

- Tech: Rust, libp2p, mDNS, Request/Response Protocol, TCP/IP
- Built a peer-to-peer messaging system without a central server using Rust and libp2p
- Implemented peer discovery and encrypted peer-to-peer communication over local Wi-Fi
- Tested messaging with multiple peers running concurrently on the same network
- Related Rust projects: SigByte (offchain/onchain signature verification) [\[Link\]](#), TelBot (Telegram automation bot) [\[Link\]](#)

DSCT – Stablecoin Protocol [\[Link\]](#)

2024

- Tech: ERC20 Token, Openzeppelin Modules, Solidity, EVM, Foundry, Slither, Aderyn
- Designed an algorithmic, collateralized stablecoin pegged to the INR, inspired by DAI-style mechanisms
- Implemented strict collateralization ratios and liquidation thresholds to maintain peg stability

- Wrote comprehensive unit tests and fuzz tests using Foundry

Dwacra Protocol - SHG Management[\[Link\]](#)

2024

- Tech: solidity,EVM,Foundry,slither,chainlink,Alchemy node
- Developed a blockchain-based management system for Self-Help Groups (SHGs)
- Ensures transparent record-keeping and automated fund distribution using smart contracts

FundMe - DeFi Crowdfunding[\[Link\]](#)

2024

- Tech: EVM,solidity,Oracle Pricefeed,Foundry,Defi protocols
- Built a decentralized funding platform integrating **Chainlink Price Feeds**
- Ensures accurate asset valuation during transfers and mitigates price manipulation risks

School Management System – Full Stack Web Application[\[Link\]](#)

2023

- Tech: JavaScript, React.js, Node.js, Express.js, MongoDB, REST APIs
- Developed a complete online school management system under a paid development contract
- Built modules for student records, teacher management, attendance, and fee tracking
- Implemented role-based access control for admins, teachers, and students
- Deployed the system to manage school operations digitally and reduce manual work

SKILLS

Languages: Solidity (Advanced),Rust (Intermediate), JavaScript, Python,Java

Cryptography: Hash functions,Asymmetric and symmetric,RSA, Elliptic curve

Auditing Tools: Foundry (Fuzzing), Echidna (Basic), Slither, Aderyn

Blockchain Platforms: Ethereum(solidity),Solana(Rust)

Core Concepts: DeFi , AMMs, Flash Loans, Oracle Manipulation,Lending

CS Core Concepts:CN,COA,CD,Finite Automata,Data structures,Discrete Mathematics

Development: Hardhat, Remix IDE, Web3.js, Ethers.js, React.js, Node.js, MongoDB

ACHIEVEMENTS RESEARCH

- Ranked #1 QA report in ekubo contest ([code4rena5](#))
- Ranked #16 in megapot contest([rank-16](#))
- Ranked #20 in kuru contest([cantina](#))
- Ranked **#98** globally among 843 teams in idekCTF 2025
- Active contributor to open-source security research; publishing audit reports and CTF write-ups on GitHub
- Deep focus on learning Rust and Anchor framework for Solana security auditing