

SAHIL JAIN

FULL-STACK BLOCKCHAIN DEVELOPER

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PROFESSIONAL SUMMARY

High-impact Full-Stack Blockchain Developer specializing in secure, gas-optimized smart contracts and scalable dApps. Proven ability to deliver end-to-end Web3 solutions using Solidity, Remix, React, and The Graph. Award-winning hackathon lead adept at building robust, event-driven architectures under pressure.

CORE SKILLS

Blockchain: Solidity, Ethereum, EVM, ERC-20, ERC-721, ERC-1155, Remix, OpenZeppelin, Gas Optimization, Smart Contract Security, MetaMask

Web3: Web3.js, Ethers.js, IPFS, The Graph, On-chain and Off-chain Architecture

Full-Stack: Next.js, React.js, Node.js, Express.js, REST APIs, MongoDB, Authentication, WebSockets

Tools: Git, Postman, Truffle, CI/CD, Automated Testing, Debugging

PROJECT EXPERIENCE

CRX - Decentralized Carbon Credit Exchange (Hybrid ERC-20 & ERC-1155)

Role: Blockchain and Full-Stack Developer | **Tech:** Solidity, Remix, React, Node.js

- Architected a hybrid ERC-20 (fungible credits) and ERC-1155 (project bonds) marketplace.
- Achieved 25 percent gas reduction using optimized storage and event patterns.
- Implemented real-time listeners improving user experience responsiveness by 60 percent.
- Reduced audit verification time by 40 percent using indexed on-chain events.
- Reached more than 90 percent smart contract test coverage with Remix.

CODE BLOCK - Decentralized GitHub Alternative (ERC-1155, IPFS, Subgraph)

Role: Blockchain and DApp Developer | **Tech:** Solidity, Next.js, Node.js, IPFS, The Graph

- Built on-chain version control with commit tracking using ERC-1155.
- Subgraph returned repository metadata in under 200 milliseconds.
- Indexed more than 150 on-chain events using a scalable event-driven design.
- Reduced data-fetch overhead by 45 percent through optimized GraphQL resolvers.
- Used IPFS for decentralized storage ensuring immutable commit history.

HACKATHON ACHIEVEMENTS

- Best in Web3 (Team Lead)** - CodeSlayer 2k25, DevSphere India and NIT Delhi
- Top Performer** - Blockchain and Cryptography Track - Hacksagon 2025, ABV-IIITM Gwalior
- First Runner-Up** - Code Coalesces 2025, MITS-DU Gwalior

EDUCATION

B.Tech - Computer Science and Engineering

MITs, Gwalior

2024 – Present

CGPA: 8.5 (Sem 1), 8.4 (Sem 2)

ADDITIONAL HIGHLIGHTS

- Deployed smart contracts on Ethereum Sepolia.
- Built more than 10 modular smart contracts across major ERC standards.
- Strong understanding of EVM internals, gas mechanics, and security patterns.
- Experienced in decentralized stacks using Smart Contracts, IPFS, and Subgraphs.