Dhruv Buddhabhatti

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PROFESSIONAL SUMMARY

Detail-oriented Blockchain and MERN Stack Developer with hands-on experience in building decentralized applications using Solidity, React.js, Node.js, Express.js, and MongoDB. Skilled in designing smart contracts, implementing ERC20 token systems, and integrating Web3/Ethers for secure on-chain interactions. Strong understanding of authentication, API development, and modern frontend frameworks. Proven ability to deliver scalable, efficient, and user-focused solutions through clean code, problem-solving, and best development practices.

EDUCATION

B.Tech In Information Technology   **2023-2026**
Gyanmanjari Innovative University   Bhavnagar, Gujarat
Diploma In Information Technology   **2020-2023**
Gujarat Technological University   Bhavnagar, Gujarat

SKILLS

Programming Languages : Solidity, JavaScript, Java
Blockchain Development : Smart Contract Development, ERC20, Ether.js, Hardhat, Testnet(Sepolia), Metamask
Frontend Development : React.js, HTML5, CSS3, State Management (Hooks, Context API)
Backend Development : Node.js, Express.js, Middleware Development
Databases & Storage : MongoDB, Mongoose
Version Control & Tools : Git, GitHub, Postman, NPM
Soft Skills : Critical Thinking, Problem Solving, Team Collaboration, Communication, Analytical thinking

PROJECTS

Voting DApp
- Developed a full-stack **decentralized voting application (DApp)** using **Solidity, ERC20 tokens, Ethereum blockchain, React.js, Node.js, Express.js, and MongoDB.**
- Implemented smart contract–driven voting logic, token authorization, user authentication, admin controls, and real-time on-chain interactions using Ethers.js.
- Developed a secure, immutable, and scalable voting system with end-to-end transparency and zero possibility of double voting.

Token Marketplace Smart Contract (Solidity, OpenZeppelin)
- Developed a secure **ERC20 Token Marketplace smart contract** using Solidity and OpenZeppelin libraries (SafeERC20, SafeMath, Ownable).
- Implemented functionality for **token listing, buying, and transfers** with built-in overflow protection and safe transaction handling.
- Applied access control, ownership patterns, and reentrancy-safe operations to ensure contract security and reliability.
- Followed ERC20 standards and smart contract best practices, with testing using Hardhat for validation and deployment readiness.

ACHIEVEMENTS

- Secured **Second Runner-Up** at *Hack-NU-thon 6.0*, **Nirma University's national-level hackathon**, by developing a blockchain-based file storage system using Solidity, IPFS, and React.js, enabling decentralized, immutable, and secure file management.