Hemant Rajpurohit

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Jaipur, India

EDUCATION

The LNM Institute Of Information Technology — Jaipur, India
B.Tech in Computer Science and Engineering — *Dec 2021 – June 2025*

EXPERIENCE

Invincible Ocean — Gurgoan, India
Full Stack Blockchain Developer — *September 2025 – Present*

- Advanced Smart Contract Architecture: Architected and deployed complex smart contracts on Ethereum, utilizing best practices in Solidity to ensure robust security and seamless integration with decentralized applications, driving user engagement and trust.
- High-Throughput Blockchain Development: Engineered high-throughput solutions on Solana, employing Rust to craft secure transaction workflows that scale effortlessly as user demand grows, thereby enhancing overall application performance.
- Cryptocurrency Wallet Integration Strategies: Pioneered the integration of multiple wallet solutions, including MetaMask and Phantom, to enable diverse user authentication protocols and streamline transaction processes, enhancing user experience in decentralized environments.
- Web3 Ecosystem Enhancements: Enhanced Web3 capabilities by implementing tailored features with Web3.js and Ethers.js, allowing for efficient smart contract interactions and secure, real-time data retrieval across decentralized platforms.
- Innovative Privacy-Centric Applications: Led the development of full-stack Web 3.0 solutions with TypeScript, Next.js, and Node.js, focusing on innovative privacy mechanisms and secure backend architecture to safeguard user data while maintaining high responsiveness

Codebird Technologies — Jaipur, India
Full Stack Blockchain Developer — *March 2025 – August 2025*

- Developing secure decentralized applications (DApps) and smart contracts using Solidity on Ethereum blockchain, implementing cryptographic security measures and gas optimization techniques.
- Building high-performance blockchain solutions on Solana using Rust programming language, focusing on security-first development and scalable architecture.
- Integrating multiple cryptocurrency wallet solutions including MetaMask, Phantom, and Leap Wallet for secure user authentication and transaction management.
- Implementing Web3 functionality using Web3.js and Ethers.js libraries for secure blockchain interaction, smart contract deployment, and cryptographic operations.
- Developing full-stack Web 3.0 applications with TypeScript, Next.js frontend and Node.js backend, emphasizing security best practices and user privacy.

SKILLS

Languages: JavaScript, TypeScript, React, Node.js, Solidity, Rust, Java, SQL, C, C++, HTML, CSS, NoSQL

Tools: Remix IDE, Meta Mask, Phantom, Leap wallet, Slush, Certora, VS Code, Overleaf, Intellij Idea Ultimate

Technologies/Frameworks: Web3.js, Ethers.js, Hardhat, Foundry, Alchemy, Cryptography, ReactJS, NextJS, NodeJS, Linux, GitHub, ExpressJS, Git, MongoDB, Blockchain Security

PROJECTS

VeraLove | *Live Demo* | *GitHub* | *DoraHacks - Cheqd Verifiable AI Hackathon*

- Built a privacy-first decentralized dating app using Verida for self-sovereign identity management and Cheqd for on-chain DID anchoring with tamper-proof Verifiable Credentials. Implemented end-to-end encryption, secure cryptographic protocols, private matching algorithms, and user-controlled data vaults to revolutionize digital dating with complete privacy and security.

NFT Marketplace | *GitHub*

- NFT Marketplace, which is a decentralized platform built on blockchain technology. The marketplace allows users to mint, buy, sell, and trade digital collectibles (NFTs) in a secure and transparent manner.

CertiFyde | *GitHub*

- CertiFyde is a blockchain-powered certificate verification system that ensures the authenticity, security, and immutability of digital certificates. It eliminates fraud, forgery, and tampering by storing certificates on a decentralized ledger, making verification instant and transparent.

Voting System | *GitHub*

- Developed a secure and transparent decentralized voting application that allows users to cast votes on the blockchain, ensuring immutability, fairness, and verifiability. Implemented smart contracts in Solidity to handle candidate registration, voting, and result computation. Utilized Hardhat for testing and deployment to Ethereum testnets. Optimized gas usage and ensured security against double voting and reentrancy attacks.

BookHive | *GitHub*

- BookHive is an efficient Library Management System for seamless book tracking, easy cataloging, and hassle-free borrowing/returns. Designed for schools, universities, and personal collections, it keeps your library organized like a well-structured hive!

RELEVANT COURSEWORK

Major coursework: Blockchain Fundamentals and Smart Contracts — Operating Systems (OS) — Computer Security — Object-Oriented Programming Systems (OOPS)— Database Management System (DBMS) — Computer Networks (CN)— Data Structures and Algorithms (DSA)— Web Development, Theory of Computation (TOC)— Computer Organization and Architecture (COA)— Deep Learning (DL)— Compiler Design (CD)— Engineering Mathematics (EM)— Database Management Systems (DMS)— Software Engineering (SE).

CERTIFICATES AND EXTRACURRICULAR

Tokenized RWA Bootcamp - Chainlink *Dec 2024*
Organized by **Chainlink**

Village Project - Sankalp Club - Social Service and Welfare Club @ LNMIIT *June 2023*

[**Website**] [**Certificate**] - Designed a website for promotion of the rural school GUPS-18FF

HOBBIES

Boxing, Swimming, Fitness, Gaming