

# Jayesh Yadav

Blockchain Developer

☎ +91-7724921978   ✉ [jayeshnyadav497@gmail.com](mailto:jayeshnyadav497@gmail.com)   in [linkedin/jayeshy14](https://www.linkedin.com/in/jayeshy14)   🐙 [github/jayeshy14](https://github.com/jayeshy14)   🐦 [@jayeshy14](https://twitter.com/jayeshy14)

## Summary

Blockchain developer with expertise in **Solidity, Rust, and JavaScript** frameworks, specializing in **Ethereum and Solana** ecosystems. Recent graduate with hands-on experience developing **NFT marketplaces, exchange platforms, and multi-chain solutions**. Successfully built custom tools for blockchain data retrieval and optimized **smart contract** transaction processes. Demonstrated ability to design scalable architecture for high-volume trading systems and real-time order books. Passionate about applying **DeFi principles** and blockchain technology to create secure, user-focused applications.

## Education

**Indian Institute of Information Technology, Kota**

**2020 - 2024**

Bachelor of Technology in Computer Science and Engineering

Jaipur, Rajasthan

**Macro Vision Academy, Burhanpur**

**2016 - 2020**

High School & Intermediate, Central Board of Secondary Education

Burhanpur, Madhya Pradesh

## Technical Skills

- **Languages:** Solidity, Rust, Java, JavaScript, Python
- **Frameworks:** Anchor, Foundry, React.js, Node.js, Express.js, Actix Web, Tokio
- **Databases:** ArangoDB and MongoDB, Redis
- **Blockchains:** Solana, Ethereum, Bitcoin, EVM Layer2s, BSC, Sui, Aptos, Starknet
- **Tools:** Hardhat, Foundry, Anchor, web3.js, ether.js, Solana/web3.js
- **Token standards:** ERC20, ERC721, ERC1155, SPL, Metaplex

## Experience

**Ignitus Networks**

**July 2024 - Dec 2024**

**Blockchain Developer Intern**

- Developed and launched two successful NFT marketplaces focusing on both digital media assets and property sales within three months; optimized transaction processes using robust smart contracts, improving overall user experience.
- Pioneered efforts to construct an innovative Discriminator tailored for Solana, addressing key challenges in data retrieval and resolving three major bottlenecks affecting user experience.
- Explored and studied a wide range of blockchain technologies, including Aptos, Kiichain, Polygon, TON, and Solana, gaining deep insights into their protocols and development ecosystems.

**Metadee AI**

**Jan 2025 - Feb 2025**

**Blockchain Developer (Contract)**

- Built a high-performance centralized exchange (CEX) from scratch, supporting multi-asset trading with secure custody and real-time order book management.
- Built a matching engine processing thousands of trades per second, reducing latency and ensuring price discovery.
- Developed a multi-chain deposit system for Ethereum, Solana, and BSC, designed for future blockchain integration.

## Projects

**Centralized Exchange Platform**

- **Technologies:** React, Node, MongoDB, TimescaleDB, Redis, Ethereum, Solana, BSC.
- Designed and developed a CEX with a custom matching engine, multi-chain deposit, withdrawals and real-time trading charts.
- Built a scalable architecture to handle high trade volumes while maintaining low latency and high fault tolerance.

**Bitcoin Loan Bank**

- **Technologies:** Clarity smart contracts, Stacks blockchain, and React.
- Developed a decentralized peer-to-peer lending platform enabling users to borrow Bitcoin using gold or property as collateral.
- Implemented a risk-adjusted repayment mechanism to mitigate Bitcoin's price volatility, enhancing loan stability.

**Discriminator Directory on Solana**

- **Technologies:** Rust, React, TypeScript, PostgreSQL, Solana Web3.js, TailwindCSS.
- Developed a platform enabling developers to discover and contribute Solana program discriminators with real-time blockchain indexing.
- Created a full-stack application with a React frontend for querying and a Rust backend API for storing discriminator data.

## Certifications

- Certified Web3 Blockchain Developer, 101 Blockchains
- Certified Web3 Professional, 101 Blockchains
- Certified Blockchain Security Expert, 101 Blockchains
- Solana Development Certification, 101 Blockchains