

RITIKA DHANDA

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Professional Summary

Entry-level Software Engineer skilled in Java, MERN Stack, REST APIs, and database optimization. Hands-on experience building blockchain DApps using Solidity, IPFS, and Hardhat. Strong in problem-solving, Agile teamwork, and delivering secure, scalable applications.

Skills

Languages: Java, Python, C++, JavaScript (ES6+)

Frameworks & Tools: Node.js, React.js, Express.js, Git, Postman, VS Code

Web Development: MERN Stack, HTML5, CSS3, Tailwind CSS, REST APIs, JWT Authentication, MySQL, Spring Boot

Blockchain: Solidity, ERC-20, ERC-721, IPFS, MetaMask, Hardhat

Machine Learning: NumPy, Pandas, Scikit-learn, TensorFlow (Basics), GANs

Projects

Google Drive-Based Cloud Storage System: Developed a full-stack file storage system with secure authentication, file upload/download, and optimized MongoDB schemas, improving retrieval speed by 30%.

Real-Time Chat Application: Built a Socket.io and WebSocket-based chat app supporting 100+ concurrent users, ensuring low-latency messaging and persistent storage in MongoDB.

Experience

Blockchain Intern – Metacrafters | Aug 2024 – Oct 2024

Developed and deployed 3+ ERC-20 & ERC-721 smart contracts enabling token mint, burn, transfer, and redeem functions, increasing testing efficiency by 25%. Optimized contract deployment on Ethereum testnets using MetaMask & Hardhat, reducing deployment errors by 15%. Integrated IPFS for decentralized storage, ensuring 100% data integrity and improving security.

Research Intern – Agnirva Space (ISRO) | Jun 2024 – Aug 2024

Analyzed and processed space mission datasets, reducing manual data processing time by 40%. Prepared structured reports and visualizations that accelerated decision-making in R&D; meetings, saving the team 5+ hours weekly.

Achievements

MERA SWARAJ Scholar: Awarded for academic excellence and leadership potential (Top 1%).

State Academic Ranker: Ranked 5th in Haryana and 3rd in Jind (HBSE Class 10).

Medhavi Chhatra Samman: Honored for outstanding scholastic performance by Amar Ujala.