

Jyoti Singh

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Summary

B.Tech student in Computer Science (AI & DS) with a strong foundation in Data Structures & Algorithms, solving over 65+ Leetcode problems with a current contest rating of 1541. Skilled in full-stack web development, including frontend development with React.js and Tailwind CSS, and backend development using Node.js, Express.js, and RESTful APIs. Passionate about building scalable web application, writing clean and efficient code, and continuously learning new technologies to solve real-world problems.

Education

ITM SLS baroda university	July 2024-July 2028
B.tech in computer Science(AI and Data science)	CGPA: 8.44

Projects

[Github](#) | [Live website](#)

Portfolio Website: HTML, CSS, javascript, Vercel, Github

- Designed and developed a personal portfolio website to showcase projects, skills, and professional background.
- Utilized javascript to create a modern, component-based, and single-page application.
- Ensured a fully responsive design for optimal viewing on all devices.

[Github](#) | [Live website](#)

FlavorHut Recipe Sharing Platform

Technologies: React.js, Node.js, Express.js, MongoDB, Tailwind CSS, Vite, JWT, Google OAuth, GitHub, Vercel, Render

- Built a complete recipe sharing platform with user authentication, recipe management, and admin functionality using React.js and Node.js/Express.js.
- Implemented responsive design with Tailwind CSS, featuring category-based recipe browsing, search functionality, and interactive recipe cards.
- Integrated JWT-based authentication with Google OAuth support, email verification, and role-based access control for admin features.
- Developed RESTful APIs with MongoDB/Mongoose for recipe management, user profiles, and image uploads using Multer for optimized storage.
- Implemented recipe search, filtering by categories, user ratings, and admin dashboard for content moderation and user management.

Neon Horizon | Decentralized NFT Ticketing Platform

[Github](#) | [Live website](#)

Technologies: Solidity, Foundry, HTML5, JavaScript (Ethers), Etherscan, Sepolia Testnet, OpenZeppelin, MetaMask

- Developed and deployed a custom NFT ticketing contract in Solidity using the ERC-721 standard, ensuring immutable ownership on the Sepolia Testnet.
- Programmed a high-efficiency payment "Pass-Through" logic using low-level .call methods, ensuring funds are automatically routed to the owner's address.
- Built a lightweight, responsive interface using HTML and JavaScript, enabling direct interaction with the Smart Contract via MetaMask wallet connection.
- Utilized the Internal Transactions mechanism on the blockchain to provide users and organizers with verifiable proof of instant fund transfers.
- Integrated OpenZeppelin access control modules to secure administrative functions and ensure the integrity of the ticket minting process.

Skill Set

Languages: Python, C++, Javascript

Frontend: HTML, CSS, React.js, tailwind CSS

Backend: Node.js, express.js, RESTful API's

Databases: MongoDB

Tools: Git, Github

AI/ML: OpenCV, Pandas, Numpy, Matplotlib

Achievements

- 5th Place out of 75 teams in *CodeClash* Coding Contest –ITM College
- Solved 65+ problems on LeetCode, regularly participating in contests
- Current LeetCode Contest Rating: 1541.