

# MUKESH R

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Github | LeetCode | Linkedin | HackerRank | Portfolio

As a Web-focused Full Stack Developer, I specialize in building scalable, high-performance web applications using modern technologies such as React.js, Next.js, Node.js, and databases. I have hands-on experience in designing responsive user interfaces, developing backend services, and integrating APIs. I combine strong problem-solving skills and computer science fundamentals with a passion for building reliable, user-centric, and maintainable web solutions.

## Education

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Bannari Amman Institute of Technology  
Computer Science and Engineering CGPA: 8.38 (upto 4th sem)

Erode, Tamil Nadu, India  
2023 - 2027

Kongu Vellalar Matric Higher Secondary School  
Tamil Nadu State Board— 2023 batch— 90.5 %

Tirupur, Tamil Nadu, India

## Experience

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Crayon'd | Full Stack Web Intern | Remote

Tamil Nadu, India | Sep-2024 - Apr-2025

- Built and maintained scalable frontends using React.js and Next.js with Material-UI and Hero-UI, delivering smooth, responsive, and user-friendly interfaces for two live projects, Fynro and Revature.
- Developed backend services with Node.js and Sequelize ORM, optimizing MySQL queries and ensuring reliable, high-performance database interactions.
- Integrated state management solutions with Redux and Zustand, reducing code complexity and enhancing application performance and maintainability.
- Collaborated in the complete development lifecycle including code reviews, debugging, testing, and deployment, ensuring production-ready, secure, and scalable applications.

## Skills

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- Languages: JavaScript, TypeScript, C, Python, Java
- Frontend: HTML, CSS, React.js, Next.js, Tailwind CSS, MUI, Hero-UI
- Backend: Node.js, Express.js, REST APIs, Socket.IO
- Databases & Cloud : MySQL, MongoDB, Firebase, Firestore, AWS Cloud
- Developer Tools : Git, GitHub, VS Code, Postman, Docker, Jenkins, Vercel, Render, Figma
- Concepts : DSA, OOPS, Web Performance, System Design Basics

## Projects / Open-Source

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Student tracker | Link

React JS, Node JS, Express JS, MUI , Re-charts, SQL

- Built a full-stack student management platform using React, Node.js, Express, and MySQL.
- Automated attendance, project reviews, and contribution tracking through a unified, interactive dashboard.
- Designed dashboards for faculty to monitor student progress in real time.
- Improved accuracy and efficiency by automating calculations of attendance, work hours, and contributions.

Chatterbox - ( WebChat app ) | Link

React JS, Node JS, Express JS, Shadcn, MongoDB , Socket IO

- Designed and built a responsive real-time chat application supporting one-to-one and group conversations.
- Integrated Socket.IO for instant messaging, enabling fast and seamless communication between users.
- Implemented secure file sharing with Multer, allowing media and documents to be exchanged easily.
- Developed an intuitive and responsive UI to ensure smooth user experience across devices.
- Built a scalable backend structure to manage chat rooms, message history, and active user sessions.

Card smart | Link BlockDag hackathon 2025 Finalist

Next JS, Firebase, Metamask

- Developed a smart card management system to create, manage, and share BDAG cards with ease.
- Built a user-friendly interface for designing, customizing, and personalizing digital cards.
- Integrated MetaMask for secure blockchain transactions and seamless user interactions.
- Enabled social connectivity features allowing users to connect and share cards within the platform.

## Certifications

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- AWS Cloud PractitionerEssentials - AWS
- PRASUNETHON Hackathon 2024 - PRASUNETCOMPANY