

Pranava Muthu

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Profile

Certified MERN Stack Developer with a strong foundation in full-stack web development. Experienced in building dynamic web applications and providing technical mentorship. Proficient in managing both frontend and backend systems, integrating secure payment gateways, and implementing role-based access control. Skilled in mentoring and collaborative projects.

Education

Bharathidasan University , Master of Computer Applications (MCA)	2022 – 2024
JJ College of Arts and Science	
Alagappa University , Bachelor of Science in Physics, Ananda College	2018 – 2021

Technical Skills

Frontend: React.js, HTML5, CSS3, JavaScript (ES6), Bootstrap 5, Redux, Context API, Tailwind CSS, Flowbit,

Backend: Node.js, Express.js, MongoDB, MySQL, Firebase, JWT, Bcrypt.js, REST APIs, CRUD Operations, Authentication and Authorization, Payment Integration Stripe

Tools: Git, GitHub, Deployment - Netlify, Render

Work Experience

Internship – Guvi , Mentor – Naan Mudhalvan Government Program	Aug 2024 – Nov 2024
<ul style="list-style-type: none">Taught college students Git, GitHub, and full-stack web development.Managed 120 students at Mahindra Engineering College and Anna University.	
Freelancer , Full-Stack Developer	Present
<ul style="list-style-type: none">Ongoing Project: E-commerce Site using MERN stack	

Projects

Hotel Management Booking System	github.com/Booking System
<ul style="list-style-type: none">Developing a comprehensive hotel booking system using the MERN stack with RESTful APIs and CRUD operations for seamless data management.Integrating Stripe for secure and efficient payment processing and Formik for robust form handling in the user interface.Implementing user authentication and authorization using JWT, and password security with Bcrypt.js.Utilizing Redux Toolkit for efficient state management and Bootstrap 5 for responsive, user-friendly design.Incorporating Firebase for image storage and real-time data updates, ensuring a modern and interactive user experience	
Location-Based Market Hub (Farming)	github.com/Farming
<ul style="list-style-type: none">Geospatial Search: Displays nearby farmer hubs using geospatial queries for localized product discovery. .Secure User Management: Utilizes Firebase, JWT, and Bcrypt.js for secure authentication and authorization.Full MERN Stack Implementation: Built with React.js, Node.js, Express.js, and MongoDB, styled with Tailwind CSS and Flowbite.RESTful CRUD Operations: Supports browsing, filtering, and product purchases through robust APIs.Role-Based Access Control: Ensures differentiated access for consumers and farmers for secure and personalized interactions.	