

# PRASAD K

## Full STACK DEVELOPER (MERN & MARN)

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### SUMMARY

I am a MERN Stack Developer with hands-on experience in building full-stack web applications using MongoDB, Express.js, React.js, and Node.js. I have developed real-time projects, including a portfolio website and a video conferencing application. Proficient in RESTful APIs and user interface design, I'm dedicated to solving real-world problems through effective software solutions

### EXPERIENCE

#### MERN Stack Developer (Training/Internship)

##### Tech Mind Info Tech

07/2024 - 07/2025 karaikudi-630003

Tech Mind Info Tech specializes in IT training and real-world project development.

- Completed a 6-month MERN MARN Stack Development training focusing on full-stack web development and real-world project implementation.
- Engineered a real-time video conferencing feature using WebRTC and Socket.IO, enabling group and 1-on-1 video calls with over 10 concurrent users and average latency under 200ms.
- Implemented session and room management using Express.js and MongoDB, ensuring smooth user interactions.

### EDUCATION

#### B.Sc. Computer Science

##### Alagappa University

05/2009 - 07/2024 pudukkottai-622001

### PROJECTS

#### Meet Hub! Project – MERN Stack

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https://meethub-five.vercel.app/

A project focused on building an interactive virtual meeting platform with live audio-video functionality.

- Developed a collaborative video communication system using WebRTC and Socket.IO, supporting more than 10 concurrent users.
- Built a responsive and accessible UI with Angular and SCSS, achieving 100% compatibility across mobile and desktop devices.
- Managed backend infrastructure using Node.js and Express to support user sessions and real-time room creation based on live user input.
- Optimized data flow and storage with MongoDB Atlas to ensure high performance and zero session loss.

#### Portfolio Website – MERN Stack

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https://prasad-portfolio-sand.vercel.app/

A project to create a personal portfolio website to present multiple projects

- Built and deployed a personal portfolio real-time projects using the MERN stack.
- Crafted a clean, responsive front-end using React and CSS, enhancing device compatibility and user experience.
- Integrated a Node.js and Express backend to handle real-time contact form submissions with 100% reliability.
- Improved SEO visibility by 20% through structured metadata and performance tuning.

### KEY ACHIEVEMENTS



#### Real-time Video Conferencing Application

Spearheaded the development of a MERN & MARN stack-based video conferencing platform supporting real-time group and 1-on-1 communication using WebRTC and Socket.IO.



#### Portfolio Website

- Designed and launched a responsive personal portfolio to showcase 6+ real-time projects, featuring clean UI/UX, backend contact form integration, and SEO optimization.

### SKILLS

#### Front End

React, vite, Angular, TypeScript, Tailwind, Bootstrap, JavaScript, Spline 3D, JQuery

#### Data Base

MongoDB, Mongoose, MySQL

#### Back End

Java, Node.js, Express.js

#### Tools

Git, GitHub, VS Code, Eclipse, NPM, Postman

#### Concepts

RESTful APIs, JWT, MVC Architecture, Socket.IO, WEBRTC

#### Soft Skills & Practices

Problem-solving & Debugging, Clean code & code reviews, Teamwork & Collaboration, Time Management, Adaptability, Creativity & Innovation, Attention to Detail, Empathy & User-Centered Thinking

### LANGUAGES

#### Tamil

Native



#### English

Intermediate

