PRASAD K

MERN STACK DEVELOPER

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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   📍 pudukkottai-622001

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

- Completed a 6-month MERN 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

📅 07/2024 - 07/2025   📍 pudukkottai-622001

🔗 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 React and CSS, 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 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, HTML, CSS, Tailwind, Bootstrap, JavaScript, Spline 3D

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

LANGUAGES

Tamil
Native
●●●●●

English
Intermediate
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