

Pavan Raj

MERN Stack Developer

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Summary

Web Developer with hands-on experience in **MERN stack development**, specializing in building **responsive, scalable, and high-performance web applications**. Skilled in designing intuitive user interfaces and developing robust backend systems that deliver seamless user experiences. Passionate about writing clean, maintainable code and adapting quickly to emerging technologies. Highly motivated to contribute effectively within collaborative and agile development teams.

Work Experience

Full Stack MERN Developer Intern — Synnefo Solutions, Kochi

Jul 2025 – Present

- Developed full-stack MERN applications in Agile/Scrum environments.
- Built secure RESTful APIs using Node.js and Express.js.
- Created responsive, reusable React.js components.
- Designed optimized MongoDB schemas for efficient data management.
- Collaborated with cross-functional teams on scalable web solutions.
- Contributed to feature development, bug fixes, testing, and deployments.

Skills

Frontend : HTML, CSS, Tailwind CSS, Bootstrap, React.js, Next.js

Backend : Node.js, Express.js, RESTful API Development

Databases : MongoDB, PostgreSQL, SQL

State Management : Redux, Redux Toolkit

Programming Languages : JavaScript, TypeScript, C (Basics)

Tools : Git, GitHub, Postman

Other : Responsive Web Design, MVC Architecture, API Integration

Projects

Double Barrel — E-Commerce Web Application

[GitHub Repository](#)

- Developed a MERN-based e-commerce application with React, Redux Toolkit, TypeScript, Node.js, Express, and MongoDB.
- Implemented JWT authentication with role-based access control.
- Built product, cart, and order management features.
- Integrated frontend and backend using RESTful APIs.
- Collaborated with team members using Git/GitHub for development and code reviews.

College Management System

[GitHub Repository](#)

- Developed a full-stack Student Management System for handling student records and academic processes.
- Implemented secure authentication with role-based access control.
- Designed a responsive user interface using React.js and Tailwind CSS.
- Built RESTful APIs using Node.js and Express.js.
- Utilized MongoDB for scalable and efficient data management.

Navigate AI

[GitHub Repository](#)

- Built a full-stack AI-powered interview preparation platform using React 19, Node.js, Express, and MongoDB, enabling personalized mock interviews and resume-based coaching.
- Integrated advanced AI models (Google Gemini & OpenAI) to deliver context-aware behavioral and technical interview simulations with real-time, actionable feedback.
- Developed secure authentication and session management using JWT, ensuring protected user data and seamless login/signup experience.
- Implemented resume parsing and intelligent Q&A generation, dynamically tailoring interview questions based on user skills and experience.

- Designed and deployed a scalable RESTful API architecture, optimizing performance and maintaining clean code structure using Mongoose and modular backend design.

Education

MERN Stack Development Course (6 Months)	— Synnefo Solutions,Kochi	2025
Deploma In Computer Enginnering	— Model Polytechnic College Karunagappally	2022-2025