

THIYOPLUS F

MERN Stack Developer | Software Developer

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<https://thiyoplus-f.netlify.app/>

Trichy, Tamilnadu

SUMMARY

MERN Stack Developer / Software Developer with 2+ years of experience building scalable, production-ready web applications using React.js, Node.js, Express.js, and MongoDB. Experienced in full-stack software development, including frontend development, backend services, REST API development, database design, and admin panel implementation. Hands-on experience integrating AI-powered features to enhance software functionality and automation. Strong focus on software engineering best practices, performance optimization, clean code, and maintainable system architecture for real-world applications.

SKILLS

Core Technologies (MERN Stack)

JavaScript, React.js, Node.js, Express.js, MongoDB

Web & Software Development

Full Stack Development, Software Development, Web Application Development, Backend Development, Frontend Development

APIs & Backend

REST APIs, Server-Side Logic, API Integration

Databases

MongoDB, PostgreSQL, Supabase

Tools & Practices

Git, GitHub, Rapid Technology Adoption, AI-Assisted Development, Performance Optimization

UI & Design (Supporting Skills)

Tailwind CSS, Responsive Design, Adobe Photoshop, Adobe Illustrator, Adobe InDesign, Canva

EXPERIENCE

Virtual Tour Developer - Ruthram360

02/2024 - Present Trichy, Tamilnadu

- Developed and optimized interactive virtual tour web applications using modern JavaScript frameworks and MERN stack technologies, improving performance, scalability, and platform reliability.
- Implemented feature enhancements and system improvements to support long-term maintainability, responsive behavior, and seamless user interaction across multiple devices.
- Collaborated with cross-functional stakeholders to deliver user-friendly frontend components and production-ready solutions, improving usability and overall user engagement.

EDUCATION

Bachelor of Science in Computer Science

Bharathidasan University

06/2020 - 05/2023 Trichy, Tamilnadu

PROJECTS

Montfort AI Chatbot Platform (Admin Panel + AI Assistant)

- Developed an **AI-powered chatbot platform** with an **admin panel** to manage questions, answers, and intents without developer dependency.
- Implemented RAG-based semantic search, intent routing, and AI-assisted spell correction to deliver accurate, context-aware responses.
- Integrated chatbot interactions with 3D virtual tour navigation and optimized backend workflows for scalable, production-ready deployment.
- Tech Stack:** JavaScript, Node.js, Express.js, Supabase, PostgreSQL, pgvector, Google Gemini AI

DS Founder Birthday Wishes Platform

- Developed a **full-stack digital tribute platform** supporting text, image, audio, and video submissions.
- Built a secure admin panel for content moderation, approvals, and featured highlights.
- Designed and implemented a responsive, performance-optimized UI to support high user engagement.
- Tech Stack:** React, TypeScript, Tailwind CSS, Supabase, Cloudinary, Netlify

Portfolio

Additional projects, live demos, and case studies are available at :

<https://thiyoplus-f.netlify.app/>

KEY CONTRIBUTIONS

Feature Engineering

Designed and implemented feature modules using JavaScript and MERN stack technologies, extending platform capabilities beyond the original roadmap while ensuring scalability and maintainability.

Performance Optimization

Improved application performance and code quality by refactoring UI components, optimizing system workflows, and applying clean, modular frontend architecture.

Design-Aware Development

Applied UI/UX and visual design principles alongside development to deliver intuitive, visually polished interfaces without compromising performance or engineering standards.