TAMILSELVAN RANGASAMY

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Profile

Frontend Developer with 2+ years of experience building high-performance, scalable web applications using React, Next.js, TypeScript, and Tailwind CSS. Expertise in responsive UI/UX, component-based architecture, state management (Redux, Hooks), and API integration. Skilled in Agile workflows, CI/CD pipelines (Vercel), and writing maintainable, testable code.

Work Experience

Frontend Developer

Nurture Infotech , Erode   Jan 2023- Present

- Engineered and maintained dynamic React/Next.js applications, improving load time by 35% and enhancing user engagement across devices.
- Led mobile-first redesign efforts using Tailwind CSS and Material UI, boosting mobile usability and UI consistency.
- Migrated project codebase to TypeScript, reducing runtime errors by 45% and enhancing code maintainability.
- Managed global application state with Redux and React Hooks, improving render efficiency and reducing redundant API calls.
- Streamlined CI/CD pipeline using Vercel, decreasing deployment time by 40% and supporting faster production rollouts.

Projects

AgreedPro - AI Contract Management Platform

Next, React, TypeScript, Tailwind CSS

- Built a contract management app using Next.js, React, and TypeScript with AI-powered contract automation.
- Used SSR and SSG in Next.js, improving SEO and first-contentful paint by ~40%.
- Designed consistent UI with Tailwind, ensuring mobile-first responsiveness.
- Integrated intelligent contract automation workflows to streamline user productivity and task efficiency.

Portfolio - Developer Showcase Website

React, Git, Material UI, Redux, EmailJS

- Assembled a personal portfolio to showcase projects and skills with smooth navigation via React Router.
- Implemented EmailJS for real-time contact integration without backend logic.
- Ensured accessibility and device responsiveness using semantic HTML and custom styling.
- Optimized project sections and routing flow for cleaner UX and faster load.

IT Training Institute – Online Learning Platform
React, Git, React Hooks, CSS

- Architected a fully responsive learning platform using pure React JS and CSS
- Implemented reusable components for course lists, registration flows, and interactive UI elements.
- Managed internal state using useState and useEffect for smooth UI updates.
- Refined mobile and desktop layouts with custom CSS for cross-device compatibility.

E-Commerce – Online Shopping Interface
React, Redux, Material UI, Tailwind, Git

- Constructed dynamic and modular UI components to enhance shopping experience across devices.
- Integrated Redux for robust global state handling and improved app scalability.
- Applied responsive design principles to ensure layout consistency using Tailwind and Material UI.
- Optimized component rendering and reduced redundant re-renders to boost UX performance.

Tools & Technologies

- **Languages:** Javascript, Typescript, Python, Java
- **Frontend:** HTML, CSS, React, Next.js, Redux, Tailwind CSS, Material UI
- **Backend:** Node.js, Express.js
- **API & Database:** RESTful APIs, MongoDB, MySQL
- **Tools:** Git & GitHub, Vercel , Netlify , Postman
- **Testing:** JEST, Enzyme

Certifications

- Developing Back-End Apps with Node.js and Express - Coursera (July 2025)
- React JS – Great Learning (2025)
- Front-End Development – Great Learning (2023)
- Search Engine Optimization (SEO) with Squarespace - Coursera (2025)

Education

M.E. – Engineering Design
Nandha Engineering College, Erode | 2024 | 89.5%

B.E. – Mechanical Engineering
Nandha Engineering College, Erode | 2021 | 91.3%

Language

Tamil : Native

English : Fluent

Japanese : Basic