

THAMARAI MANALAN V

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SUMMARY

Ambitious Fullstack AI Developer specializing in TypeScript, React, Next.js, and Node.js. Proven track record building production-grade AI-integrated applications including real-time platforms, blockchain wallets, and API monitoring systems. Passionate about integrating AI/LLMs into modern web products

PROJECTS

DevBin — Next.js · TypeScript · NodeJS · Postgres

- Engineered a curated developer tools discovery platform featuring real-time trending analytics, category filtering, and search — serving 320+ tools across 12 categories.
- Built scalable frontend architecture with optimized rendering, efficient state management, and seamless client-side navigation for high performance.

OpenChat — Next.js · TypeScript · WebSockets · AI Integration

- Built a real-time messaging suite with WebSocket-powered live communication and AI-generated summaries to catch users up on unread group activity instantly.
- Architected multi-room chat, live message sync, and LLM-powered catch-up feature reducing time-to-context for users.

ReadmeForge — Next.js · TypeScript · Tailwind · Groq AI · GitHub API

- Engineered an AI-powered README generation platform that analyzes live GitHub repository structure, dependencies, and code patterns to produce production-ready documentation in seconds.
- Implemented split-pane MDX live preview, one-click markdown export, syntax-highlighted code blocks, and a fully responsive premium UI with Framer Motion transitions.

EasyRide — Next.js · TypeScript · AI Integration

- Developed an AI-integrated car booking system that analyzes routes using AI APIs to recommend scenic and efficient travel experiences.
- Designed a custom AI-based route recommendation engine that evaluates parameters like distance, travel time, and scenic scoring to generate optimized travel suggestions.

SKILLS

Frontend	React, Next.js, TypeScript, Tailwind CSS, Framer Motion, Responsive Design
Backend	Node.js, Express.js, WebSockets, REST APIs, PostgreSQL, MongoDB
Tools/Frameworks	Git, GitHub, Figma, Postman, Vercel, VS Code, Docker
AI / LLM	OpenAI API, LLM Integration, AI-powered feature development
Others	User Research, System Design, Scalable Architecture, Performance Optimization

EDUCATION

Master of Computer Application

Karpagam University, Coimbatore

Aug 2024 - April 2026

- GPA: 8.5, Relevant Courses: Data Structures, Web Dev, Databases, Software Engineering