

MADHAN S

GEN AI FRONTEND DEVELOPER | AI-DRIVEN WEB APPLICATIONS | REACT | NEXT.JS | TYPESCRIPT

CONTACT

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SKILLS

Frontend Technologies

- React.js
- Next.js
- TypeScript
- JavaScript (ES6+)
- Redux Toolkit
- Three.js

UI & Styling

- HTML5
- CSS3
- Tailwind CSS
- Bootstrap

AI & Integration

- Generative AI Integration
- LLM-based UI Integration
- Conversational AI Interfaces
- REST APIs
- OAuth2 Authentication
- Internationalization (i18n)



PROFILE

Frontend & GenAI Developer with 4+ years of experience building scalable, AI-powered web applications using React.js, Next.js, TypeScript, and Redux Toolkit, specializing in Generative AI integration and LLM-driven conversational interfaces. Experienced in developing Emotion Detection, ASL Recognition, and AI-powered platforms, with strong expertise in APIs, authentication, and performance optimization.



WORK EXPERIENCE

CornerstoneX | 2024 - 2026

- Integrated fully rigged 3D MetaHuman avatars using Three.js with real-time AI-driven conversational capabilities.
- Built AI-powered Tutor and Student platforms with adaptive learning workflows.
- Developed and integrated Generative AI proof-of-concepts, including:
 - ASL Recognition Interface
 - Emotion Detection UI
 - Image Description Feature
 - Conversational AI Workflows
- Designed frontend architecture for AI-based real-time response handling and dynamic UI updates.
- Implemented Google OAuth2 SSO authentication and multi-language (i18n) support for global scalability.
- Optimized 3D rendering and AI interaction performance using lazy loading, memoization, and efficient state management.
- Improved website load performance by ~30% through code splitting and bundle optimization.
- Built scalable, reusable component libraries using React + TypeScript.

Tools & Workflow

- VS Code (Cursor)
- GitHub & GitHub Actions
- Postman
- Agile/Scrum
- Vercel
- Jira
- Figma

Intellisense Software Pvt Ltd | 2021 - 2024

- **Developed and maintained ReactJS-based e-commerce and healthcare applications**, improving UI performance and user engagement.
- Built **responsive web interfaces** using HTML5, CSS3, Bootstrap, and Tailwind CSS.
- **Integrated RESTful APIs and SQL databases**, collaborating closely with backend teams.
- Implemented **dynamic features using ReactJS, jQuery, and AJAX** to enhance functionality.
- Optimized web applications for performance, cross-browser compatibility, and faster load times.
- Participated in **Agile sprints, stand-ups, and code reviews**, ensuring timely and high-quality delivery.
- Wrote **clean, maintainable, and scalable** frontend code following industry best practices.



EDUCATION

Master of Computer Applications

Madras University | 2018 - 2021

Bachelor of Computer Science

Hindustan College of Arts & Science | 2015 - 2018