

# Krishnamoorthi T

Front End Developer

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## PROFESSIONAL SUMMARY

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Frontend Developer with strong hands-on experience in building responsive and scalable web applications using HTML, CSS, JavaScript, React.js, and Next.js. Strong knowledge of component-based architecture, API integration, and performance optimization. Passionate about creating clean UI, reusable components, and user-friendly interfaces. Seeking opportunities to contribute technical skills in a growth-oriented organization.

## EDUCATION

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- **Sona College of Technology**

*Master's Degree in Computer Applications; CGPA: 8.0*

Salem, TN

Aug 2023 – May 2025

- **Vysya College**

*Bachelor's Degree in Computer Science; CGPA: 7.09*

Salem, TN

July 2020 – May 2023

## PROJECTS

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- **E-Commerce Web Application using React:**

- **State Management:** Implemented product listing, category filtering, and cart functionality using a centralized Redux store with slices, actions, and reducers.
- **API Integration:** Integrated REST APIs to fetch and display dynamic product data across the application.
- **Component Architecture:** Built reusable and modular React components using clean code and component-based architecture, optimized UI performance, and ensured responsive design across mobile and desktop devices.

- **Next.js E-Commerce Web Application with WhatsApp API Integration:**

- **Application Development and State Management:** Developed a responsive e-commerce web application using Next.js with Redux Toolkit for centralized state management of products, cart, and user interactions, and styled the UI using Tailwind CSS.
- **API and WhatsApp Integration with Performance Optimization:** Integrated REST APIs for dynamic product data and implemented WhatsApp API to send user and order details to the admin in real time; optimized UI performance and applied component-based architecture for responsive and smooth user experience.

- **Virtual Mouse using Machine Learning:**

- **Technologies:** Python, OpenCV, MediaPipe, Machine Learning, Computer Vision
- **Gesture-Based Cursor Control:** Developed a virtual mouse that performs cursor and mouse functions without a physical mouse by detecting hand gestures in real time using MediaPipe and OpenCV.
- **Machine Learning and Performance Optimization:** Implemented ML algorithms for accurate gesture recognition and optimized application for smooth, responsive, and intuitive hands-free computer interaction.

## SKILLS

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- **Frontend Technologies:** HTML, CSS, JavaScript (ES6+), Tailwind CSS, UI Development
- **Frameworks / Libraries:** React.js, Next.js, Redux Toolkit
- **Tools & Platforms:** Git, GitHub, VS Code, MS Excel, Chrome DevTools
- **Database & Backend Basics:** Node.js, MongoDB, SQL, Joins, Group By, REST API Integration
- **Key Skills:** Web Development, API Integration, UI Optimization, Component-Based Architecture, Responsive Design, Cross-Browser Compatibility, Debugging, Front-end Developer, React Developer.

## CERTIFICATIONS

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- **Data Analytics Essentials:** Cisco.
- **Microsoft Excel: Formulas and Functions:** Analytics Vidhya.
- **Programming in Java:** NPTEL - Ranking with Elite.