

# M A SARASWATHI

Frontend Engineer | React.js | TypeScript | Performance Optimization | Scalable UI | 3+ Years Experience

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## Professional Summary

Frontend Engineer with 3+ years of experience building scalable React applications using JavaScript and TypeScript. After a career break, strengthened expertise through production-grade projects leveraging React, Firebase, and modern frontend technologies, with a focus on performance optimization and scalable UI development.

## Projects

**Scout Search** : React, JavaScript, REST APIs, React Router, Web Speech API, Tailwind CSS

- Built Scout Search, a modern search application with real-time search, voice search, intelligent suggestions, and a clean, responsive UI.
- Optimized performance with debounced search, efficient state management, and reusable React components to minimize unnecessary API calls.
- Delivered a polished UX with dark mode, loading skeletons, and responsive design.

**Interview Prep Management System** : React, Firebase, Redux Toolkit, Tailwind CSS

- Developed an interview preparation management platform using React and Firebase with CRUD operations for tracking coding practice and interview tasks.
- Built drag-and-drop task management with daily progress tracking, weekly reviews, and task rollover.
- Enhanced UX with real-time toasts, reusable components, and scalable state management.

## Technical Skills

**Frontend:** React.js, Next.js, JavaScript (ES6+), TypeScript, Redux Toolkit, React Hooks, Context API, React Router DOM, HTML5, CSS3, TailwindCSS, Material UI

**APIs & Testing:** REST APIs, Firebase, React Query, Jest, React Testing Library

**Performance & Architecture:** Component-Based Architecture, Performance Optimization, Code Splitting, Lazy Loading

## Professional Experience

### *Senior Software Engineer*

**Classic Informatics Pvt. Ltd. — Nov 2022 – Mar 2023, Gurugram (Remote)**

- Led development of a Bitcoin NFT platform from scratch, improving client transaction throughput by 40%.
- Mentored 4 interns in React best practices and modern frontend workflows.
- Built a dynamic “Organization Type” module for pension schemes, increasing user engagement by 20%.

### *Software Developer II*

**Cronj IT Technologies Pvt. Ltd. — Feb 2022 – Sept 2022, Bengaluru**

- Engineered “Main Contacts” component with Address API integration, reducing data errors by 30%.
- Built reusable React components, improving development efficiency and code maintainability.

### *Software Engineer*

**Transform Automations India Pvt. Ltd. — Sept 2021 – Feb 2022, Bengaluru**

- Developed “Assignment Dashboard” module in Assure AI, reducing auditing errors by 15%.
- Improved navigation architecture, reducing misdirected queries by 30% and improving overall user flow.

### *Trainee Consultant*

**Rakuten India Enterprise Pvt. Ltd. — July 2019 – Feb 2021, Bengaluru**

- Integrated the “Short Account” component to improve system efficiency by 20%.
- Enhanced feedback workflows with a custom Inquiry History feature, increasing response quality by 50%.

## Education

**Bachelor of Engineering (B.E.) in Information Science and Engineering**

Cambridge Institute of Technology, Bengaluru — 2019 | CGPA: 8.2/10