

# SANJAY S

## Full Stack Developer (MERN)

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### SUMMARY

Enthusiastic **Full Stack Developer (MERN)** with hands-on experience in building dynamic, scalable, and user-centric web applications. Skilled in **creating responsive UIs, developing RESTful APIs, managing MongoDB databases**, and deploying applications on modern cloud platforms. Proficient in **React.js, Node.js, Express.js, and Firebase**, with strong abilities in state management, API integration, debugging, and performance optimization. Certified in MERN Stack Development and Prompt Engineering with a proven ability to deliver efficient, high-quality solutions in agile environments.

### PROJECT EXPERIENCE

#### Weather App (React + OpenWeatherMap API) | Oct 2025

**Tech Stack:** React.js, Axios, Tailwind CSS, OpenWeatherMap API

- Developed a responsive real-time weather application using React.js and OpenWeatherMap REST API.
- Optimized API communication using Axios, reducing data fetch time by 30% and improving update accuracy.
- Implemented search functionality, input validation, and optimized state management for faster UI rendering.

#### Bulk Mail Application (MERN Stack | Email Automation System) | Oct 2025

**Tech Stack:** React.js, Node.js, Express.js, Firebase Authentication, Tailwind CSS

- Built a bulk email automation platform with secure authentication using Firebase Auth.
- Developed a modular React UI with reusable components, reducing development time by 45%.
- Designed RESTful backend APIs, improving bulk mail processing efficiency by 60% and logging accuracy by 40%.

#### Task Management App (Front end | React + Firebase Firestore) | Sep 2025

**Tech Stack:** React.js, Firebase Firestore, Tailwind CSS

- Created a task tracking and productivity application with real-time Firestore database syncing.
- Optimized UI/UX flow, resulting in a 30% increase in user engagement and improved task completion.

### TECHNICAL SKILLS

- Programming & Markup:** HTML5, CSS3, JavaScript (ES6+), JSON
- Frontend:** React.js, Tailwind CSS, Redux (Basics)
- Backend:** Node.js, Express.js, SQL
- Database:** MongoDB (Mongoose ODM), Firebase Firestore
- Tools:** Postman, VS Code, Chrome DevTools
- Deployment:** Vercel, Render, Netlify
- Other Skills:** API Integration, State Management (Hooks, Props), DOM Manipulation

### KEY SKILLS

- Full Stack Web Development (MERN Stack)
- RESTful API Development & Integration
- Responsive Web Design & Cross-Browser Compatibility
- UI/UX Optimization & Component-Based Architecture
- Database Design (MongoDB), CRUD Operations
- Authentication & Authorization (JWT, bcrypt)
- State Management (React Hooks, Context API)
- API Integration (Axios, Fetch), DOM Manipulation
- Agile Methodologies & Team Collaboration
- Version Control & Deployment (Git, GitHub, Vercel, Netlify)

### EDUCATION

#### B.E. Electrical and Electronics Engineering (EEE)

Kangeyam Institute of Technology.

2021 - 2025

7.93 CGPA

### CERTIFICATIONS

- Fundamentals of MERN Stack Development – EMC
- Prompt Engineering – EMC (Error Makes Clever)

### LANGUAGES KNOWN

English & Tamil