

# SAI KUMAR BADAKA

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## Profile Summary

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**Frontend Developer** with 1.4 years of experience building responsive, high-performance web applications using React.js and modern JavaScript (ES6+). Skilled at translating UI/UX designs into scalable, production-ready code and collaborating with cross-functional teams. Experienced in working closely with backend teams for full-stack integration and efficient API consumption.

### Key Highlights:

- Proficient in **React.js**, creating **modular, reusable, and optimized UI components**.
- Experienced in **responsive design** and **cross-browser compatibility**.
- Skilled in **RESTful API integration**, **Git/GitHub** (GitHub Actions).
- Focused on **performance optimization**, **clean code**, and **accessibility**.
- Passionate about **modern frontend tools** and **continuous learning**.

## Technical Skills

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**Programming Languages:** React.js, JavaScript (ES6+), HTML5, CSS3

**Frontend Development:** React.js, Redux, Material-UI, Bootstrap

**Version Control :** Git, GitHub,

**Testing & Debugging:** Postman, Browser Dev Tools, Performance Optimization

**Development Tools & Workflow:** VS Code

## Work Experience

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### Software Developer

- **Frontend Development:** Developed and maintained **highly responsive, interactive web applications** using **React.js**, ensuring an engaging **user experience (UX)** and optimized performance.
- **Performance Optimization:** Refactored and optimized **frontend code**, improving **load times, application scalability, and overall system efficiency**.
- **UI/UX Collaboration:** Worked closely with **UI/UX designers** to create intuitive, user-friendly interfaces, improving accessibility and usability for end users.
- **Security & Authentication:** Implemented **robust authentication and authorization mechanisms** using **JWT**, ensuring secure access control and data protection.
- **Cross-Functional Collaboration:** Coordinated with **backend teams, QA teams, and product managers**, ensuring **smooth integration** between various application layers.
- **Code Quality & Documentation:** Followed best coding practices, performed **code reviews**, and documented project workflows for knowledge sharing and future maintenance.

## Projects

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### HRBP - Human Resource Basic Payroll System

**Role:** Frontend Developer || **Technologies Used:** React.js, React Native, Java, Spring Boot, MySQL

- **Project Description:**

Developed and maintained a comprehensive **HRBP system** to streamline **attendance tracking, leave management, payroll processing, and holiday scheduling** across web and mobile platforms.

- **Key Contributions:**

- Built a **cross-platform mobile app** using **React Native** for employee self-service — featuring **real-time location tracking, punch in/out, and leave submission**.
- Designed **interactive dashboards** in the **React.js web portal** for HR personnel to monitor **attendance, enrollments, and payroll data**.
- Implemented **performance optimization** using `useMemo()`, `memo()`, and **lazy loading**, improving app responsiveness and load times.
- Integrated **RESTful APIs** via **Fetch/Axios** to dynamically fetch and update employee data.

### ERMS - Employee Role Management System

**Role:** Frontend Developer || **Technologies Used:** React.js, React Native, Java, Spring Boot, MySQL

- **Project Description:**

Developed a **web-based Employee Role Management (ERM) system** designed for organizations with **multi-level role-based logins**, enabling employees, managers, and administrators to manage and track workflow efficiently and securely within a unified platform.

- **Key Contributions:**

- Designed and implemented **role-based access control (RBAC)** using React.js to deliver distinct dashboards and permissions for each user role.
- Created **responsive and intuitive UI components** to ensure consistent accessibility and usability across roles and devices.
- Developed **data visualization features** using charts and graphs to present real-time reports and performance insights.
- Managed **global state** using React Context API to maintain secure, synchronized data flow and prevent unauthorized access.
- Configured **React Router** for secure, **role-specific navigation** and content rendering within protected routes.
- Integrated **RESTful APIs** via **Axios** for seamless data fetching, updates, and workflow tracking across departments.

### School Management (Web & Mobile Application)

**Role:** Frontend Developer || **Technologies Used:** React.js, React Native, Java, Spring Boot, MySQL

- **Project Description:**

Developed a comprehensive School Management System to streamline academic, administrative, and communication processes across a single platform. The system supports multi-role logins including Organization, Principal, Staff, Transport, Store, Examination, Teachers, and Parents, offering secure, role-specific access for both web and mobile applications.

- **Key Contributions:**

- Designed and implemented **dynamic dashboards** for principals and administrators to manage student admissions, fee structures, payments, and daily fee summaries.
- Built **React Native mobile applications** for teachers and parents, enabling attendance tracking, daily punch-in/out, student progress monitoring, and notice board notifications.
- Integrated **transport management features** such as bus details, live tracking, and bus fee management for students.
- Created a **store management module** for tracking stock, sales (books, uniforms, diaries, etc.), and purchase records.
- Implemented role-based access control, giving principals centralized visibility and authority over overall operations.
- Integrated **RESTful APIs** for real-time data synchronization and secure data exchange between web and mobile platforms

## Education

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<b>Sree Dattha Group of Institutions</b>	<b>2019 – 2022</b>
B-Tech – Electrical Engineering	Hyderabad
<b>Christu Jyothi Institute of Technology</b>	<b>2016 – 2019</b>
<b>and Science</b>	Jangaon
Diploma - Electrical Engineering	
<b>ZP High School</b>	<b>2015 – 2016</b>
Telangana State Board Exam (SSC)	Suddala