

# Sangeetha Chunchu

<http://linkedin.com/in/chunchu-sangeetha-996355224>

✉: geethachunchu2841@gmail.com

☎: +91 7993962687

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## Summary:

Frontend Developer with **3.8 years** of experience building scalable and responsive web applications using React.js and Next.js. Strong expertise in JavaScript (ES6+), Redux, API integration, and frontend performance optimization. Experienced in developing production-grade applications in healthcare and e-commerce domains, including user workflows, authentication systems, and payment features. Skilled in writing clean, maintainable code and improving application quality through unit and integration testing using Jest and React Testing Library.

## Professional Experience:

### Frontend Developer

Resource One IT Solutions, Hyderabad

Aug 2022 – Present

- Developed 40+ reusable and responsive UI components, reducing development effort by 30% and improving design consistency across applications.
- Enhanced application performance by optimizing rendering, reducing unnecessary re-renders, and implementing lazy loading and code splitting
- Integrated RESTful APIs for dynamic data handling, including authentication
- , error handling, and loading states
- Managed application state using Redux, enabling efficient handling of complex data flows across components
- Utilized React Hooks to improve performance and maintain clean component architecture
- Collaborated with cross-functional teams including UI/UX designers and backend developers to deliver high-quality features
- Wrote unit and integration tests using Jest and React Testing Library to ensure application reliability
- Increased test coverage from 20% → 75% using Jest and React Testing Library.
- Debugged and resolved production issues, improving application responsiveness and user experience

## Technical Skills:

- **Frontend Technologies:** React.js, Next.js, JavaScript, TypeScript, HTML5, CSS, Bootstrap, Tailwind CSS
- **State Management:** Redux, Context API
- **Backend & APIs:** Node.js (Basics), Express.js, REST APIs, Axios
- **Testing:** Jest, React Testing Library
- **Database:** MongoDB
- **Build & Tools:** Git, GitHub, Vite/Webpack (build basics), Responsive Design, Debugging
- **Practices:** Agile/Scrum, Cross-browser Compatibility, Code Reviews

## Educational Qualification:

Bachelor of Technology (B.Tech) – Electrical and Electronics Engineering

Jyothishmathi Institute of Technology and Science

2019 – 2022 | GPA: 7.9/10

## Projects:

### Project -1: Clinical Service Orders (Hospital Management System)

#### Description:

Doctor Appointment Booking Platform with Role-Based Access Control. Developed a healthcare web application for managing doctor appointments with secure authentication and role-based access for patients, doctors, and administrators. Enabled real-time appointment scheduling and data handling through REST API integration. Focused on building a responsive, user-friendly interface with efficient navigation using Next.js.

#### My Responsibilities:

- Built the frontend using React.js and Next.js with a modular, component-based architecture
- Implemented role-based authentication and protected routes for multiple user roles
- Integrated REST APIs for real-time appointment scheduling and data management
- Designed responsive UI components to ensure compatibility across devices and screen sizes
- Implemented dynamic routing using Next.js for efficient navigation
- Handled loading states, error handling, and edge cases to improve usability
- Collaborated with backend teams for seamless API integration and data consistency
- Implemented form validation and user input handling to ensure accurate appointment booking and improve overall data integrity

**Technologies:** React.js, Next.js, JavaScript, REST APIs, HTML, Tailwind CSS

### Project -2: Walmart (E-Commerce Platform)

#### Description:

E-Commerce Application with Payment Integration and Testing. Worked on a large-scale e-commerce application, developing frontend features for product browsing, user workflows, and payment processing. Implemented secure checkout functionality (Pinpad) and optimized UI performance for a seamless user experience. Contributed to application stability through testing, bug fixes, and performance improvements in a production environment.

#### My Responsibilities:

- Developed frontend features using React.js and Redux for scalable state management
- Implemented Pinpad payment feature for secure and seamless checkout experience
- Integrated APIs for product data, user interactions, and transaction processing
- Wrote unit and integration tests using Jest and React Testing Library
- Identified and fixed UI issues and performance bottlenecks in production
- Fixed critical production UI issues during release cycles, ensuring stable and smooth deployments
- Optimized component rendering to improve application performance
- Ensured responsive design and cross-browser compatibility
- Participated in code reviews and agile development processes

**Technologies:** React.js, Redux, JavaScript, Jest, React Testing Library, REST APIs, Git