

Ramya Bhavya Priyanka Koorakula

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SUMMARY

Frontend Developer with 2.5+ years of experience building scalable, responsive, and user-focused web applications using React.js, JavaScript (ES6+), and modern frontend tools (Vite, Material UI, Tailwind CSS). Skilled in component-driven development, state management, and REST API integration, with hands-on experience delivering enterprise solutions like MES and VMS platforms. Passionate about crafting clean, maintainable code and collaborating with teams to deliver high-quality, performance-driven applications.

WORK EXPERIENCE

Software Engineer Xilinx Space Labs

Jun 2023 – Present

www.xilinx.space — A pioneering aerospace startup specializing in nano and small satellite technologies. Xilinx provides **Satellite Mission-as-a-Service (MaaS)** solutions, enabling clients to launch and manage advanced satellite missions efficiently and flexibly.

Project: Spacelinx – Enterprise Resource Planning (ERP)

- **Tech Stack:** React.js, JavaScript, HTML5, CSS3, Bootstrap, Git, Azure DevOps, JSON, PostgreSQL, Swagger, Figma, RESTful APIs, Playwright
- Developed a full-fledged, web-based ERP system tailored for the aerospace domain, enabling seamless management of production workflows, parts and inventory, procurement, and program-level tracking for satellite manufacturing.
- Designed and implemented key **frontend modules** using React.js and Material UI, ensuring design consistency and improving overall user experience.
- Contributed to the development of a **Manufacturing Execution System (MES)** for satellite production operations, enhancing process efficiency and traceability.
- Collaborated with cross-functional teams in **requirement gathering, sprint planning, and UI/UX design**, ensuring alignment with business goals and client expectations.
- Captured and analyzed feedback from **30+** client and stakeholder interactions, identifying key areas for module enhancement and influencing the prioritization of feature requests.
- Diagnosed and resolved critical **production issues**, reducing user-reported bugs and improving system reliability and performance.
- Utilized **Vite, Axios, and Git** for scalable, maintainable, and version-controlled frontend development.
- Gained hands-on experience with **Playwright** automation testing, using **Codegen** to create reliable UI test scripts and enhance frontend testing efficiency.

PROJECTS

Swiggy Clone (Food Ordering App)

Developed a Swiggy-like food ordering platform using React.js, Redux, React Router, and Swiggy APIs, featuring restaurant listings, menu display, and cart management. Strengthened skills in state management, routing, and responsive UI design.

To-Do List Application

Built a task management web app using JavaScript, HTML, and CSS. Implemented features such as add, edit, and delete tasks, filtering options, and data persistence using localStorage.

EDUCATION

B.Tech in Computer Science and Engineering

2019 – 2023

Avanhi Institute of Engineering & Technology

CERTIFICATIONS

Meta Front-End Developer Professional Certificate – Coursera

As part of the certification, I developed a table booking website using React's capabilities such as input validation, state management, Hooks, and Router for navigation between pages. Ensured mobile-first responsive design using CSS flexbox and grid to enhance user experience across devices.

Namaste React – NamasteDev.com

Completed a hands-on React course where I developed a Swiggy clone and a Netflix clone application. Gained practical experience in managing complex APIs, structuring reusable components efficiently, and building scalable applications. This hands-on approach significantly strengthened my frontend development skills and understanding of real-world application architecture.

SKILLS

Front-End Technologies	React.js, Redux, React Router, JavaScript (ES6+), HTML5, CSS3, Material UI, Tailwind CSS.
Tools & Build Systems	Vite, Git, npm, Axios, Playwright (Codegen).
Core Concepts	Responsive Web Design, Component-Based Architecture, State & Props Management, REST API Integration, Performance Optimization, Debugging & Troubleshooting.