

# Charan VLN Pavani

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## Professional Summary

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Full Stack Developer with 2.5 years of experience building scalable, high-performance web applications using the MERN stack (MongoDB, Express.js, React.js, Node.js). Proficient in TypeScript, Redux, Tailwind CSS, and REST API integration. Delivered measurable impact, including reducing ticket resolution time by 15% and automating manual processes by 30%. Experienced in SaaS, B2B, and enterprise solutions, collaborating effectively within agile, cross-timezone teams.

## Experience

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### NxtWave — Software Development Engineer

Sep 2025 – Dec 2025

- Built interactive and dynamic web applications with strong focus on JavaScript fundamentals and frontend logic.
- Developed reusable UI components using HTML, CSS, and Bootstrap, ensuring responsive and accessible designs.
- Worked on data-driven features and real-time functionality, strengthening debugging and problem-solving skills.
- Gained hands-on exposure to full-stack concepts and application workflows, forming a strong MERN foundation.

### LogPilot — Software Developer Engineer

Dec 2024 – May 2025

- Developed responsive and scalable frontend applications using React.js and JavaScript, improving user engagement by 30%.
- Implemented component-based architecture, hooks, and state management for maintainable, high-performance UIs.
- Collaborated with designers and backend teams to integrate REST APIs, increasing usability scores by 25%.
- Applied modern React patterns and frontend best practices to deliver performance-optimized solutions.

### EntroLabs, Hyderabad — Full Stack Developer (MERN-Aligned)

Apr 2024 – Sep 2024

- Developed frontend interfaces using modern JavaScript and UI practices for a government school management system.
- Implemented role-based authentication and authorization flows, enhancing application security.
- Contributed to a scalable multi-role B2B SaaS platform with modular front-end-backend integration.
- Automated workflows and optimized data handling, reducing manual processes by up to 30%.

### Deepija Telecom Pvt. Ltd. — Software Development Engineer

Feb 2023 – Mar 2024

- Designed interactive dashboards with dynamic data visualization using API-driven UI logic.
- Built and enhanced a ticket management system UI, reducing ticket resolution time by 15%.
- Optimized frontend performance, improving overall system efficiency by 25%.
- Strengthened skills in debugging, system design, and scalable application development.

## Technical Skills

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**Frontend:** React.js, Redux, TypeScript, JavaScript (ES6+), Tailwind CSS

**Backend:** Node.js, Express.js, PHP

**Databases:** MongoDB, MySQL, PostgreSQL

**Tools:** Git, GitHub, Vite

**Concepts:** REST APIs, Responsive Design, Component Architecture, Data Structures and Algorithms

## Projects

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- **CoffeeQueue Pro** — Real-time Queue Management Web Application

- Built a real-time queue management interface to streamline customer flow for cafés and small food outlets.
  - Developed a clean, responsive, and scalable frontend using **React.js** and **TypeScript** with a component-based architecture.
  - Utilized **Vite** for fast development and optimized production builds.
  - Styled the application using **Tailwind CSS** and **shadcn/ui** to create accessible, reusable, and modern UI components.
  - Implemented efficient state management to handle dynamic queue updates and UI interactions.
  - Designed a mobile-first, responsive layout ensuring seamless usability across devices.
  - Followed modern frontend best practices for performance optimization, reusability, and maintainability.
- **AI Recipe Creator** — AI-Powered Recipe Generation Application
    - Built an AI-driven application that generates complete recipes from natural language prompts based on available ingredients, dietary restrictions, serving size, and cuisine preferences.
    - Designed dynamic recipe outputs including ingredient lists, step-by-step cooking instructions, and optional shopping or nutritional information.
    - Implemented prompt-based logic to deliver accurate, personalized, and context-aware recipe suggestions.
    - Focused on clean UI and user-friendly flows to simplify meal planning and reduce cooking time.
    - Followed scalable frontend architecture principles to support future enhancements and AI model integrations.

## Education

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**M.Tech** — Visvodaya Engineering College (2021–2023) — 75%

**B.Tech** — PBR VITS (2015–2019) — 63%

## Languages

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English, Telugu, Hindi