

Charan VLN Pavani

Software Engineer Trainee

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Profile summary

Results-driven Full Stack Developer with 3.2 years of expertise in designing and deploying scalable, high-performance web applications using the MERN stack (MongoDB, Express.js, React.js, Node.js). Proficient in TypeScript, Redux, Tailwind CSS, and RESTful API integration. Proven track record of enhancing operational efficiency by reducing ticket resolution time by 15% and automating workflows by 30%. Experienced in developing SaaS, B2B, and enterprise solutions. Adept in agile methodologies, cross-timezone collaboration, and end-to-end software development lifecycle management, consistently delivering robust, high-quality software products on schedule.

Skills

- Data Structures
- React.js
- React Native
- Javascript
- Redux
- TypeScript
- Tailwind CSS
- Node.js
- MongoDB
- Express
- Mern Full Stack
- Backend
- Front End
- Fullstack Development
- Rest API Development
- GIT
- Github
- HTML and CSS
- HTML
- CSS

Work Experience

Software Engineer Trainee — NIAT

Sep 2025 - Dec 2025

- Built interactive and dynamic web applications with a 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.

Software Development Engineer — Logpilot

Dec 2024 - Jul 2025

- Designed and developed interactive, dynamic web applications leveraging core JavaScript concepts and advanced frontend logic to enhance user engagement.
- Created reusable, responsive UI components using HTML5, CSS3, and Bootstrap, ensuring cross-browser compatibility and adherence to accessibility standards.
- Implemented data-driven features and real-time functionalities, improving application performance and enhancing debugging and problem-solving capabilities.
- Acquired practical experience in full-stack development and application workflows, establishing a solid foundation in the MERN (MongoDB, Express, React, Node.js) stack.

Software Engineer — ENTRO LABS PRIVATE LIMITED

Feb 2024 - Sep 2024

- Designed and implemented secure authentication frameworks for an education sector project, optimizing user login processes and reducing onboarding time by 40% through efficient management of diverse user profiles using PHP and MySQL.
- Developed and deployed a scalable multi-role B2B SaaS platform for property management, improving property listing management and client communications, resulting in a 20% reduction in administrative overhead.
- Led automation of an employee record system to generate thousands of customizable PDF ID cards monthly, maintaining zero increase in team workload and error rates, significantly enhancing operational efficiency.

Software Engineer — Deepija Telecom

Feb 2023 - Mar 2024

- Designed interactive dashboards utilizing API-driven UI logic to deliver dynamic data visualizations, enhancing user engagement and decision-making.

- Developed and refined a ticket management system UI, resulting in a 15% reduction in ticket resolution time and improved user satisfaction.
- Optimized frontend performance, increasing overall system efficiency by 25% through advanced coding techniques and resource management.
- Strengthened expertise in debugging, system design, and scalable application development, contributing to robust and maintainable software solutions.

Internships

— Kenisys Software Private limited

31 Days

Projects

CoffeeQueue Pro

1 Weeks

- Built a real-time queue management interface to streamline customer flow for cafes 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

2 Days

- 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

M.Tech | Computers

2023

VISVODAYA ENGINEERING COLLEGE

B.Tech/B.E. | Computers

2019

PBR VITS

12th

2015

Andhra Pradesh, English

Marks - 68.0%

10th

2013

Andhra Pradesh, English

Marks - 53.0%

Additional information

Languages: English, Telugu, Hindi