

# Vasanth J

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[Portfolio link](#) | Kanchipuram, Tamil Nadu

## Professional Summary

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MERN Stack Developer with hands-on experience in building secure authentication systems, OTP verification, and full-stack applications using React, Node.js, Express, and MongoDB Atlas. Transitioned from the automobile industry to IT, driven by a strong passion for web development, clean code, and user-friendly solutions.

## Skills

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**Programming Languages:** Python

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

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

**Database:** MySQL, MongoDB, Mongoose

**Tools** Git, GitHub, Visual Studio Code, Postman, MySQL Workbench, MongoDB Atlas

**Concepts:** REST API Development, Cookies, JWT Authentication, Bcrypt password hashing, Nodemailer OTP service, React Hooks, React Router

**Soft Skills:** Communication, Problem Solving, Analytical Thinking, Adaptability

## Projects

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### MERN Authentication System (OTP Verification + Password Reset)

[GitHub Link](#)

- Tech Stack: React, Tailwind CSS, Node.js, Express.js, MongoDB Atlas, JWT, Nodemailer, Bcrypt
- Description : A secure full-stack authentication application that supports user signup, login, email-based OTP verification, and password reset.
- Features : Email OTP verification, Password reset using OTP, JWT-based authentication, Secure password hashing, Fully responsive UI, Backend API testing with Postman
- My Role : Built REST APIs, Designed frontend UI, Integrated frontend backend, Implemented authentication logic

### Task Management / To-Do List Application

[GitHub Link](#)

- Tech Stack: React, TypeScript, Node.js, Express.js, MongoDB, JWT, Axios
- Description : A full-stack task management application that allows users to create, update, delete, and track tasks efficiently.
- Features : User authentication, Add/Edit/Delete tasks, Task completion tracking, Priority levels (Low/Medium/High), Search & filter tasks, Task summary dashboard, Responsive UI
- My Role : Built REST APIs, Designed frontend UI, Integrated frontend and backend, Implemented task logic and state management

### Pizza Hut – Food Ordering Web Application

[GitHub Link](#)

- Tech Stack: React (TypeScript), CSS, Node.js, Express.js, MongoDB Atlas, JWT, Axios
- Description: A full-stack food ordering web application inspired by Pizza Hut, allowing users to browse menu items, manage cart items, and place orders with secure authentication and a smooth user experience.
- Features: JWT-based user authentication, Dynamic food menu listing, Add to cart, update quantity, and remove items, Slide-in cart with real-time price calculation, User-specific cart and order handling, Responsive UI with smooth animations, Secure backend APIs for cart and order management
- My Role: Built REST APIs, designed frontend UI, implemented cart logic and state management, integrated frontend with backend, and handled authentication and data flow.

## Training

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**Full Stack MERN Developer** - Apollo Computer Education Ltd., Kanchipuram Jan 2025-July 2025

- Trained in building end-to-end MERN web applications using Python, HTML, CSS( Tailwind CSS), React.js(both typescript and javascript), node.js, express.js, MongoDB, MySQL.
- Includes debugging real-time web page apps and resolving frontend/backend integration issues.

## Education

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**Panimalar Engineering College**, BE in Mechanical Engineering 2022

- CGPA: 8.0/10

## Experience

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**Quality Trainee**- Hyundai Motor India Pvt. Ltd., Chennai, Tamil Nadu Oct2022 - Oct 2024

- Performed inspection and quality testing of components. Documented defects and supports root cause analysis. Ensured production quality and SOP compliance. Coordination with the QC team for improvement.

**Certificate link**