Vasanth J

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Portfolio link | Kanchipuram, Tamil Nadu

Professional Summary

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

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 Autentication, Bcrypt password hashing, Nodemailer OTP service, React Hooks, React Router

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

Projects

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 passwword 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.

Courses

Full Stack MERN Developer - Apollo Computer Education Ltd., Kanchipuram   January 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

Panimalar Engineering College, BE in Mechanical Engineering   2022
- CGPA: 8.0/10

Experience

Quality Trainee- Hyundai Motor India Pvt. Ltd., Chennai, Tamil Nadu   October 2022 - October 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