Vasanth J

MERN STACK DEVELOPER | ASSOCIATE SOFTWARE ENGINEER

vasanthmrsir@gmail.com | +91 6383049086 | **LinkedIn** | **GitHub** |

Portfolio | Bangalore, Karnataka

Professional Summary

Junior MERN Stack Developer with hands-on experience in full-stack web development using React.js, Node.js, Express.js, and MongoDB. Experienced in building RESTful APIs, JWT-based authentication, OTP verification, CRUD operations, and responsive user interfaces. Strong understanding of frontend–backend integration, database design, and API testing using Postman. Brings 2 years of professional experience from a structured corporate environment, with proven skills in problem-solving, documentation, process adherence, and teamwork. Career transitioner from Mechanical Engineering, seeking an Associate / Junior Software Developer role.

Skills

Programming Languages: Python , JavaScript (ES6+), TypeScript

Frontend: React.js , React Hooks , React Router DOM , HTML5 , CSS3 , TailwindCSS , Axios

Backend: Node.js , Express.js , Middleware

Database: MongoDB Atlas , MySQL , Mongoose ODM , Indexing

Tools: Git , GitHub , Postman , Visual Studio Code

Deployment: Vercel , Render , MongoDB Atlas , Netlify

Concepts: API Security , MVC Architecture , State Management , Debugging , SDLC Basics , Agile Workflow

Projects

MERN Authentication System (OTP Verification + Password Reset) — **GitHub**

- Designed and developed 15+ RESTful APIs for user authentication and authorization
- Implemented JWT-based login system, improving session security and access control
- Built email OTP verification and password reset flow, handling 100+ test user cases
- Applied bcrypt password hashing, preventing plaintext credential storage
- Tested APIs using Postman, reducing API errors during frontend integration
- Implemented input validation and error handling middleware, improving API reliability and preventing invalid request failures

Task Management / To-Do List Application — **GitHub**

- Developed a full-stack task management system supporting CRUD operations
- Implemented role-based user authentication using JWT
- Added task prioritization (Low/Medium/High), improving task tracking efficiency
- Integrated frontend and backend using Axios, ensuring smooth data flow
- Implemented role-based user authentication using JWT
- Designed efficient MongoDB schemas and indexing, improving task retrieval performance during search and filtering

Pizza Hut – Food Ordering Web Application — **GitHub**

- Created secure backend APIs for cart, orders, and user sessions
- Implemented dynamic cart functionality with real-time price calculations
- Enabled user-specific cart and order handling using JWT authentication
- Improved UI responsiveness and user experience across devices
- Structured backend using MVC architecture, improving code maintainability and scalability for future features

Training

Full Stack MERN Developer - Apollo Computer Education Ltd., Kanchipuram , TamilNadu   Jan 2025-Aug 2025

- Intensive hands-on training in end-to-end MERN stack development
- Built full-stack applications using React, TypeScript, Node.js, Express, MongoDB
- Implemented JWT authentication, Email OTP, password reset, and RESTful APIs
- Worked with Git/GitHub, Postman, and followed SDLC and Agile practices

Education

BE Mechanical Engineering, Panimalar Engineering college , Chennai , Tamil Nadu   2022

- CGPA: 8.0/10

Experience

Quality Trainee- Hyundai Motor India Pvt. Ltd., Chennai, Tamil Nadu   Oct2022 - Sep 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

   Experience Letter