

Vasanth J

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Kanchipuram, Tamil Nadu

Professional Summary

I am a MERN Stack Developer with hands-on experience in building authentication systems, OTP verification flows, and full-stack applications using React, Node.js, Express, and MongoDB Atlas. I started my career in the automobile industry as a Quality Control Trainee at Hyundai, but my passion for web development motivated me to transition into the IT field. I focus on writing clean code, building user-friendly interfaces, and integrating secure backend APIs.

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 Authentication, 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
- 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

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

Manufacturing Engineer- 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.
- **Certification:** certification Link