

# Vasanth J

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[Portfolio link](#) | 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

### Personal Portfolio Website (HTML, CSS(TailwindCSS), React.js)

[GitHub Link](#)

- Designed and developed a responsive portfolio website to showcase projects and skills.
- Implemented mobile-friendly UI with smooth navigation and custom animations.

## 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