

MOHAN R

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EXECUTIVE SUMMARY

I am a Full Stack Developer skilled in building dynamic and responsive web applications using **React**, **Django**, and **SQL**. Experienced in developing seamless front-end interfaces with **Tailwind CSS** and managing version control with **GitHub**. Adept at integrating front-end and back-end technologies to deliver efficient, scalable, and user-focused solutions.

TECHNICAL SKILLS

Programming Languages: JavaScript, Python (Django), TypeScript

Frameworks and Tools: React.js, PostgreSQL, GitHub Actions

Development Practices: RESTful APIs, CI/CD, Responsive UI Design

EXPERIENCE

VDart GCC, Trichy

Jul 2025 – Present

Full Stack Developer Intern

- Developed **RNR module** with user-friendly forms, role-based reward assignment, and an integrated **analytics dashboard** for Reward and goodies distribution tracking.
- Built **Portrecs**, a modern **Document management system** using a new **Vite-based React UI**, enhancing load speed and usability.
- Designed a **Hall Booking System** with a professional and responsive interface for improved scheduling efficiency.
- Collaborated with cross-functional teams using **React, Django** focusing primarily on scalable front-end architecture.
- Optimized UI consistency with **Tailwind CSS**, improving accessibility and overall user experience.

PROJECTS

Portfolio Website

Developed a personal portfolio website using React.js and Tailwind CSS, featuring full mobile responsiveness and smooth UI interactions. Deployed securely on Firebase Hosting for fast, reliable access and continuous updates.

Crime Management Progressive Web App

Built a progressive web application (PWA) for the Trichy District Police Department, enabling daily field officer checks with integrated geolocation and GPS-enabled camera capture. Designed dedicated analytics dashboards for SPs, police officials, and headquarters staff to assign and monitor personnel in real time.

Road Lane Detection System

Engineered a real-time lane detection system for autonomous vehicle navigation using YOLOv5 and OpenCV. Achieved 92% detection accuracy under varying environmental conditions, demonstrating robustness and efficiency for intelligent transportation systems

EDUCATION

University college of Engineering (BIT Campus), Trichy

B.E. in Computer Science and Engineering

Nov 2022 – 2026

CGPA: 8.3 / 10.0