

# MOHAN R

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## EXECUTIVE SUMMARY

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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

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**Programming Languages:** JavaScript, Python (Django), TypeScript

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

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

## EXPERIENCE

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### 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

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### 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

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### University college of Engineering (BIT Campus), Trichy

Nov 2022 – 2026

B.E. in Computer Science and Engineering

CGPA: 8.3 / 10.0