

# Vijay K

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## SUMMARY

Full-Stack Developer proficient in the **MERN stack** with a strong passion for AI/ML technologies. Experienced in developing responsive, user-friendly **web** and **mobile applications**. Continuously learning and exploring new technologies through hands-on projects and teamwork. Committed to delivering high-quality, innovative solutions with a focus on user-centric design.

## SKILLS

- Frontend : HTML, CSS, React, Flutter
- Languages : Java, Python, Dart, JavaScript
- Design Tools : Figma
- Backend : Node.js, Express.js
- Databases : MongoDB, SQL

## EDUCATION

**RAJALAKSHMI INSTITUTE OF TECHNOLOGY**

Chennai, Tamil Nadu

B.E in COMPUTER SCIENCE AND ENGINEERING

2022-2026

## PROJECTS

**RIT College Library Management System** (HTML, CSS, JavaScript, MongoDB, Python)

- Built a system to track book availability and student check-ins in real time.

**Smart Traffic Management System** (YOLO, SUMO, TraCi, TensorFlow)

- Optimized traffic signals using AI-based vehicle detection.

**LLM-Driven Vehicle Design Optimization** (GPT-2, YOLO, Pretrained LLM Models)

- Used AI to enhance vehicle design.

## CERTIFICATIONS

- **Google** Introduction to Large Language Models
- **Microsoft** Fundamentals of Generative AI
- AI for India 2.0 **GUVI Geek Networks**
- Introduction to MongoDB

## INTELLECTUAL PROPERTY

**Copyrights - 23099/2024-CO/SW** Library Automation Software – Filed

## LANGUAGES

- English ( Proficient )
- Tamil (Fluent)