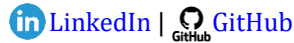# RETHICK KUMAR KJ

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LinkedIn | GitHub

Profile

A highly motivated and adaptable professional seeking to contribute to a reputable organization in a challenging role. Innovative and technically proficient, I bring a versatile skill set that enables me to tackle diverse tasks and deliver impactful solutions. Team-oriented and committed to continuous learning, I am strong in AI prompting and app development, utilizing tools like Cursor AI and other LLMs to build applications. I aim to work on strategic initiatives that help drive the company's success.

Project works

Automated Density Based Traffic Control System-IOT Based (QCART-FUNDED)

- Developed an intelligent traffic management system that dynamically adjusts traffic signals based on real-time vehicle density and prioritizes emergency vehicles. Integrated sensor networks to detect vehicle presence and optimize traffic flow.

Eco-Aware Railway Systems with Sensor Based Accident Prevention-IOT BASED (IEI-FUNDED)

- Designed an eco-friendly railway safety system integrating advanced sensors and alert mechanisms to prevent accidents and protect wildlife. The system detects obstacles on tracks and controls train speed dynamically using Raspberry Pi and Lidar technology.

WAKESENSE PORTABLE IOT BASED ANTI-DROWSINESS ALERT SYSTEM FOR DRIVERS

- Designed and developed a compact, real-time driver monitoring system using Raspberry Pi, OpenCV, and IoT technologies. The system detects prolonged eye closure, frequent yawning, and head movements to identify signs of drowsiness, with built-in driver alert systems.

Education

K L N COLLEGE OF ENGINEERING, BE in Computer Science.   Aug 2022 – May 2025
- **CGPA**: 7.1/10.0

Diploma in Computer - K. L. Nagaswamy Polytechnic College, Madurai.   Jul 2019 – May 2022
- 92%

Skills

- **Programming Languages**: C, JAVA
- **Markup Languages**: HTML, CSS
- **SQL and Database Skills**: MYSQL
- **Video Editing**: Capcut
- **AI Prompting**
- **Flutter**
- **App Development**
- **Troubleshooting S/W and H/W**

Hobbies

- **Learning A.I TOOLS**
- **Photo editing**
- **Video Editing**

Languages

- **English**
- **Tamil**
- **Saurashtra**
- **Hindi**