

# RETHICK KUMAR KJ

## PROFILE

### PERSONAL DETAILS

Email –  
kjrethickkumar@gmail.com  
Phone - +91-9361287449  
Address - 44/29 kottukanara  
street, Madurai  
Date of birth - 10/09/2002

GitHub-<https://rethick.github.io>

### SKILLS

**Programming language**  
C, JAVA

**Markup Language**  
HTML, CSS

**SQL and Database Skills**  
MYSQL

**Video Editing**  
Capcut

### HOBBIES

- ❖ Learning new IOT system learning A.I photo editing
- ❖ Watching YouTube
- ❖ Video Editing
- ❖ Games
- ❖ Troubleshooting S/W

### AREA OF INTEREST

- ❖ Internet of things
- ❖ Software development
- ❖ A.I Technology
- ❖ Video editing

### LANGUAGES

- ❖ English
- ❖ Tamil
- ❖ Hindi

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 aim to work on strategic initiatives that help drive the company's success.

## PROJECTS

### **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, built-in driver alert systems.

## EDUCATION

**K. L. N. College of Engineering**, Madurai - B.E in Computer Science and Engineering  
August 2022 - Present  
7.1 CGPA

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

SSLC  
**Tagore Vidyalayam Matriculation Higher Secondary School**  
June 2018  
Percentage – 49%

## CERTIFICATE

### **Mega project contest**

I received a participation certificate from Manakula Vinayagar Institute of Technology in Puducherry.