# DUDDUKURI SANDEEP

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## SKILLS

### PROGRAMMING

Languages

- Python
- C
- JavaScript

Tools

- GIT • Windows

Frameworks

- Bootstrap

Technologies

- HTML
- CSS
- SQL

## EDUCATION

**B. Tech, IT**
CMR Engineering College
2021-24 Hyderabad|
CGPA: 8.14

**Diploma, Civil**
Khammam Institute of Techno and sciences
2018-21 |
Khammam
CGPA : 8.67

**CBSE**
Gorkey Public school
2017-18 |
Khammam
Percentage:
86.4%

## LANGUAGES KNOWN

• English • Telugu

## LINKS

Github:// Sandeep-8179
LinkedIn:// sandeep-duddukuri81

## PROJECT(S)

### ATM Crime Prevention using Wireless Sensor Network IoT.

This system utilizes ARDUINO controller for real-time data processing from vibration and IR sensors. In case of robbery, vibration sensor triggers the buzzer, sends alerts to police and the bank via IOT, and closes the door. The IR sensor detects machine direction changes, activating alerts and notifications. All modules are connected to ARDUINO Microcontroller for data processing with a 5V power supply.

### A Machine Learning model for Average fuel consumption in heavy vehicles.

Fuel consumption models for vehicles are of interest to manufacturers, regulators, and consumers. They are needed across all the phases of the vehicle life cycle. In this we focus on modelling average fuel consumption for heavy vehicles during the operation and maintenance phase. In general, techniques used to develop models for fuel consumption fall under three main categories: Physics-based models, Machine learning models, Statistical models.

### Smart Agriculture Crop Management Godown.

Farmers store crops in warehouses to extend food grain lifetimes and reduce waste. A project suggests using smart warehouse management in farming fields for temperature, humidity control, fire alarms, stock measurement, and pest control. An automated observation system aims to help farmers in remote areas with limited accessibility, reducing food losses and increasing food safety.

### Traffic Priority for Ambulance (IoT).

Ambulances face delays in reaching emergencies due to traffic congestion. A proposed solution involves using RFID tags on vehicles to trigger traffic signals, allowing ambulances to pass through efficiently.

## ACHIEVEMENTS

- **Merit in Internal Smart India Hackathon held at CMR EC in 2023.**
- **Merit in Ideation held at MLRIT in 2023.**
- **Participated in INTINTA INOVATOR held at Khammam Collector Office on the occasion of Aug 15 in 2019.**
- **Merit in Ekatra working Expo held at KITS, Khammam in 2019**

## CERTIFICATIONS

**Python 3.4.3** : By Spoken Tutorials IIT Bombay.
**Python Basic** : By Hackerrank
**MySQL** : By Spoken Tutorials IIT Bombay.
**AWS Cloud** : Virtual 6 months internship by AICTE EduSkills
**CSS Basics** : By Hackerrank.