SANDEEP DUDDUKURI

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CAREER OBJECTIVE

To work in a challenging organization that offers diverse job responsibility in knowledge where I can fully employ my proven organizational and creative capabilities and zeal for learning in order to develop and empower my knowledge as well as my skill sets.

ACADEMIC QUALIFICATION

Qualification	Specialization	Institution	University/Board	Year of Passing	Percentage / CGPA
B.Tech	Information Technology	CMR Engineering College	JNTU Hyderabad	2021 - 2024	8.13/10
Polytechnic	Civil Engineering	Khammam Institute of Technology & Sciences.	SBTET	2018 - 2021	8.67/10.0
10th	--	Gorkey Public School	CBSE	2017 - 2018	380/500

TECHNICAL SKILLS

- Programming Languages known : C, Python, Java(basics).
- Web development languages : HTML.
- Design Software (CAD Basics).
- MS word.

CERTIFICATIONS:

- Merit in Ekatra held at KITS-Khammam.
- Participated in INTINTA INNOVATOR held at Khammam Collector office on the occasion of Independence day in 2019.
- Six months Industrial training in Irrigation & CAD Department SRLIP Div-3, Khammam.
- Merit in Ignite-IT held at CMR Engineering College in 2022.
- Merit in Ideation held at Marri Laxman Reddy Institute of Tech. & Sciences in 2023.
- Certified in AWS Cloud virtual internship.
- Merit in Internal Smart India Hackathon held at CMREC in 2023.

PROJECTS:

- **Hydraulic bridge (Civil project).**
- **Raising and downing the footpath by using Hydraulics system for Ambulance during emergency conditions.(Civil project)**
- **Case study on canal lining in Sita Rama Lift Irrigation Project at Manuguru (Civil project).**

- **Traffic Priority for Ambulance (IoT).**

Most of the emergency hospital ambulances are equipped with paramedics, even though they are unable to reach the incident site because of huge traffic at junctions. Once the ambulance got struck in traffic, it takes more time to reach the incident and it is obvious what happens to the patient till the ambulance reaches? Due to slow movement of traffic the ambulance cannot reach the hospital at right time and leads to death of the patient. In order to overcome this problem developing a working detector model for emergency vehicle detection in traffic signals, which will detect the vehicle and the signal at the junction comes to green and allow the traffic to flow in that direction, after the vehicles moves the signal at that point will works as usual.

- **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 modeling 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.**

Agriculture is the primary occupation in our country for ages and most of the population depend on it. Now-a-days farmers are facing huge losses due to some storage requirements, while storing agricultural products. Farmers are keeping their agricultural crops in warehouses to increase the lifetime of food grains. Food plays a significant vital role in life, once it involves food security that is littered with each food loss and food wastages. Reports suggests that almost fifty proportion of the food made world-wide doesn't even reach the individuals as they're wasted throughout harvest, transportation, or storage. One in all the point that threats to the farmers is that the loss throughout storage of crops in granaries and warehouses.

To solve this problem one solution is that this project includes smart warehouse management and monitoring farming field, which includes temperature maintenance, humidity maintenance, fire alarms, stock measurement, Pest control. To assist and help the farmers who protects the crops by storing in warehouse, a fully automated enabled observation system is planned to be deployed in remote areas wherever the accessibility is incredibly minimum for farmers with smart storage facilities to scale back food losses and increase food safety.

- **ATM Crime Prevention using Wireless Sensor Network IoT.**

Automated teller machine (ATM) now a days are extensively used all over the world for withdrawal of cash. A unique card is issued for each user along with the unique code provided to him so that the person may do all his transactions personally without anyone getting known. we going to prevent ATM machine with wireless technology. We have to provide some security systems to prevent the crime if we notice any kind of theft. This system uses ARDUINO controller based embedded system to process real time data collected using the vibration sensor and IR sensor. Whenever robbery occurs vibration sensor is used here which senses vibration and sounds will occur from the buzzer and through IOT it sends a message to the police station and to the corresponding bank, motor of the door automatically closes to easy catch the theft. Buzzer will activate to alert surrounding people, dc motor also closed to catch that person. All input and output modules are interfaced to ARDUINO Microcontroller which process input data and provide output with help of 5V regulated power supply.

DECLARATION

I hereby declare that the details above are correct and true to the best of my knowledge.

Place : **Signature**

Date : Duddukuri Sandeep