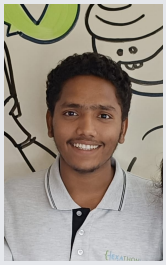

PERSONAL DETAILS

STUDENT

6304284541

SOCIAL

LinkedIn : Jakkula Indra karan Rao

Github : MrKaran3376

SKILLS

Problem Solving Through Java and python - Intermediate

Networking - Expert

DataBase Management (Firebase,MYSQL) - Intermediate

Machine Learning - Intermediate

Artificial Intelligence - Intermediate

Neural Networks - Intermediate

Web Development (MEAN) - Intermediate

AWARDS

Hexathon Hexagon 24Hr Hackathon - Hexagon

Achieved 13th place out of 250 teams : (sustainable Energy theme)

Vasavi Tech Savishkaar - TechSavishkaar

Runnerup 2nd prize

New Gen Ideathon - CVR COLLEGE OF ENGINEERING

Winner : Garuda Project Security and Surveillance

VIT Hackathon - VIT College of engineering

Runnerup : 3rd Prize

Project Expo - CVR COLLEGE OF ENGINEERING

Winner - Project Garuda

TechMarathon VRSEC 24Hr Hackathon 2023 - VRSEC

Third Prize (Runner Up) for Smart Energy Management System for Industrial Facilities Project

JAKKULA INDRA KARAN RAO

PROFILE

A Student with Self Motivation Actively seeks out new challenges and opportunities to learn and grow

EDUCATION

B.Tech from CVR College Of Engineering 2020 - 2024

Computer Science and Information Technology

Class XIIth from Narayana Junior College 2018 - 2020

MPC

PROJECTS

Smart Meter : Domestic Energy Management System 2023-02 - 2023-04

Smart Meter Key Functionalities:

• Analysis of the Current usage in Single phase current meter

• Integrating with web Application which allows user to set up his monthly budget (in rupees) and get a daily usage limit.

• Notifications regarding 50% and 90% daily usage of limit

• Alert messages if any abnormal current usage is detected.

• Day to Day current bill and monthly report on consumption

Thrinetra : surveillance for Crime Detection 2023-04 - 2023-08

Key Functionalities : Based on Custom constraints identify the crime scene and detect the weapons and persons involved. Notifies the Police officer through mails regarding crime scene by generating a report on it

Smart Energy Management System 2023-09 - 2023-10

Smart Energy Management System (SEMS) is Designed to Optimise the Energy Consumption in Industrial Sector and Minimise the Human Intervention Key Functionalities :1) Collect and Analyse the data regarding the Equipments in the Industry 2) Identify Abnormalities and Anomalies in the Equipments and Generate the report 3) Recommend the Industry Management Regarding the best practices that are Helpful in Optimising Energy Consumption 4) Automate the HVAC and Lighting in the Industry 5) Schedule the Machines Based on Demand and Efficiency of the Machinery. Scheduling :

Identify the Best Machines to run and make clusters and Run in an optimized way to meet demand

Turn off Machinery if they are not required

Schedule the Loads on the Motors and prevent them from Motor Winding

Set the Threshold limits Dynamically and Trip the Circuit to prevent from Damage due to High Voltages.

CERTIFICATIONS

HackerRank Java 5 Stars - Hackerrank 2021-06-01

Hackerrank Python 5 Stars - Hackerrank 2022-03-09

Introduction to ML - Kaggle 2023-12-01