

Siddhartha Reddy

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EDUCATION

Manipal Institute of Technology

Bachelor of Technology Data Science and Engineering
C.G.P.A 8.69

Manipal, India

Aug. 2020 – May 2024

PROJECTS

Object Detection Using Drones | *Scikit Learn, TensorFlow, Keras, streamlit, CNN's, Opencv* June 2020 – Present

- Deep learning model that can recognise objects in a drone perspective by combining advanced technologies like YOLO, SSD, and retinanet.
- In the model, mAP is computed using intersection over Union (IoU). 0.408 is the map value for TPH YOLOv5.
- TPH-YOLOv5 takes fourth position on VisDrone Challenge 2021

Amazon Recommender System | *Scikit Learn, Pandas, JavaScript, MongoDB, FastAPI* May 2018 – May 2020

- ML algorithm to predict related products using Content-based similarity and User-based similarity
- End to End deployment with HTML-CSS-JavaScript Frontend and MongoDB + Python Backend

Inventory Management System | *SQL, PLSQL, FastAPI* June 2020 – Present

- A data design project created for businesses to determine how much stock to order and when. It keeps track of inventory from purchase to sale.
- The database sends an alert to the customer via database triggers, when stock is about to run out.

Travelz | *HTML, CSS, Bootstrap, JavaScript, PHP, Node.js, MongoDB, FastAPI* June 2020 – Present

- Created a web app for Tourist Reviews that displays various sites and allows users to leave reviews and read reviews from other users.
- Cloudinary was utilized to store images, and PassportJS was implemented for user authentication.

EXPERIENCE

AI Team Member

Project Dronaid

July 2022 – Present

MIT, Manipal

- Dronaid is a student project which aims to provide medical aid using drones
- Working on Object Detection, Object Tracking Collision Avoidance of drones.

Working Committee Member

Indian Society for Technical Education

Sep. 2020 – Present

MIT, Manipal

- Communicate with managers to set up campus computers used on campus
- Assess and troubleshoot computer problems brought by students, faculty and staff
- Maintain upkeep of computers, classroom equipment, and 200 printers across campus

TECHNICAL SKILLS

Languages: C/C++, Python, Java, HTML/CSS, JavaScript, SQL

Deep Learning and ML: Keras, TensorFlow, NLTK, WEKA

Computer Vision: OpenCV, YOLO, SSD, RetinaNet, Detectron2

Data Analytics: pandas, NumPy, Matplotlib, Scikit Learn

Frameworks: React, Node.js, Flask, FastAPI

ACHIEVEMENTS

AICTE Scholarship for 50% Academic fee waiver

QUIZARY – 2nd position in Techtatva22