PAGADALA SHYAM KUMAR

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EDUCATION

Data Science   May 2024
K L University | Guntur, India

GPA 7.5%

Computer Applications   June 2020
K B N College | Vijayawada, India

GPA 7.5%

UNIVERSITY PROJECT

Hyper Spectral Image Classification by Using Machine Learning

K L University

- Hyperspectral image classification involves analyzing data from multiple spectral bands to identify different land cover classes. Convolutional Neural Networks (CNNs) are commonly used for this task.
- They learn spatial features directly from the hyperspectral data, enabling accurate classification. The process includes preprocessing, model training, and evaluation.
- Technical Skills: Python, TensorFlow, Data Annotation.

Mango Detection by Using SSD Mobile NetV2

K B N College

- Developed a custom object detection model for identifying mangoes in images using SSD MobileNetV2.
- The model was implemented using TensorFlow object detection Api and trained on a dataset of images containing mangoes. The model demonstrates high performance in terms of detection speed and accuracy, and was designed to lightweight and efficient, making it suitable for deployment on embedded devices.
- Specific case studies were discussing the implementation of SSD Mobile Net for object detection. The author provides a step-by-step approach on how to implement SSD MobileNetV2 trained over COCO dataset using TensorFlow API.
- Technical Skills: Python, SSD, MobileNetV2, TensorFlow, Data Annotation.

ACHIEVEMENT

2023 Service Now Hackathon Runner

SKILLS

Python, HTML/CSS, SQL

Soft Skills: Time Management, Teamwork, Collaboration, Communication Skills, Flexibility

INTERESTS

- Cooking
- Video games
- Badminton

LANGUAGES

- English
- Telugu

CERIFICATIONS

- Salesforce Platform Developer – 1
- Introduction to Machine Learning

LINKS

- Website: https://bit.ly/3sR348W
- Trailhead: http://www.salesforce.com/trailhead/shyamkumar3807