Programming
Assignment - 1:
Building a Machine
Learning
Application with
Streamlit

ITBIN-2110-0159 - Nimantha Colambage

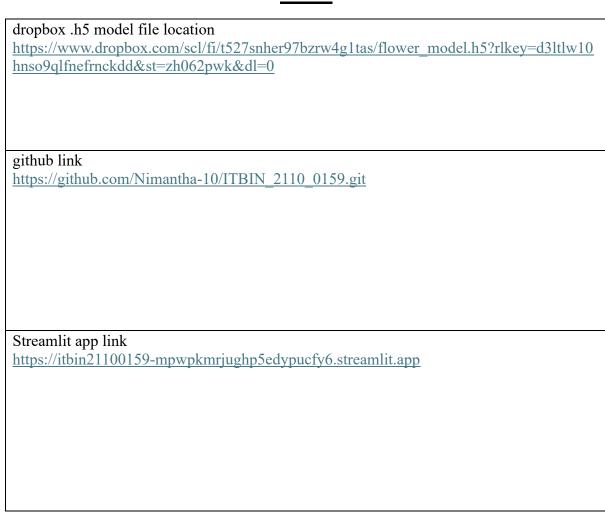
#### **About model**

It is a trained machine learning model for classifying images of flowers into categories such as daisy, dandelion, rose, sunflower, and tulip. The model is saved in a file, as are similar images for each category. Indeed, it predicts the type of flower in a photo user upload and can display images of similar flowers from its dataset. This helps provide a visual reference for the predicted category of flowers. Use kaagle free data set by connecting kaagle api

How this model run

the model file cant upload to github becouse its says too largo to upload so i upload the model to dropbox and save the streamlit app file code inside github and run it

## **Links**

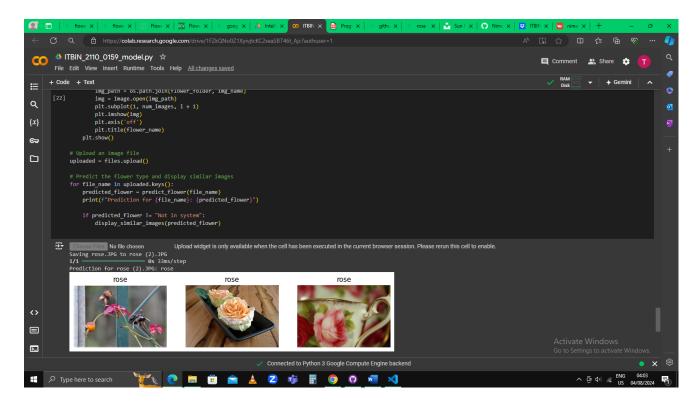


# **Model Run**

Model create using colab and when user upload image it predicts flower name also output similar flowers photos that inside that data set if that flower not in that data set output not in system.

Only get 5 flowers for training

## **Example**

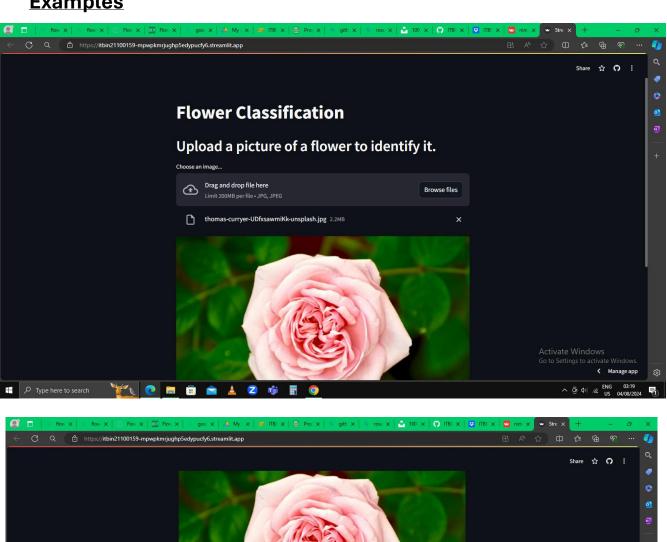


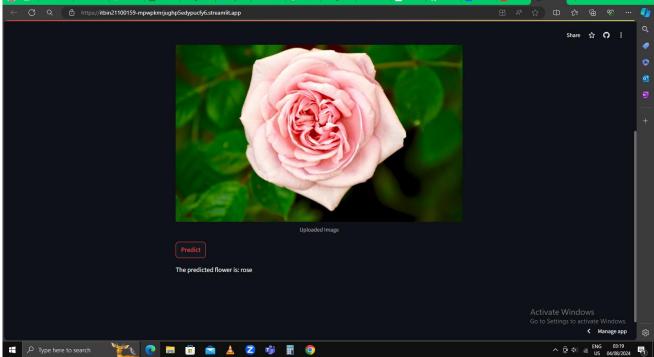
# Stramlit app

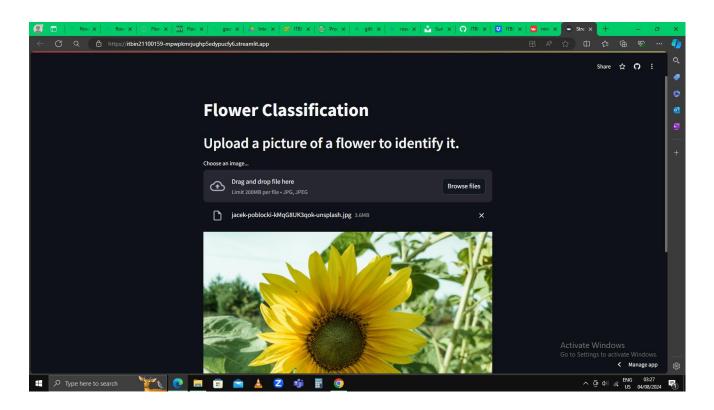
Flower\_model inside dropbox and connect to App.py file inside github run the stremlit application and display the prediction

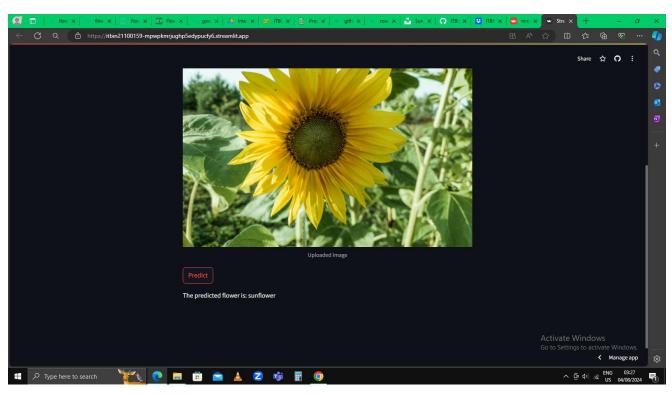
When user upload flower image it predict that flower name

# **Examples**











## **GIthub Link**

https://github.com/Nimantha-10/ITBIN\_2110\_0159.git

## dropbox .h5 model file location

 $https://www.dropbox.com/scl/fi/t527snher97bzrw4g1tas/flower\_model.h5?rlkey=d3ltlw10hnso9qlfnefrnckdd&st=zh062pwk&dl=0\\$ 

## Streamlit app

https://itbin21100159-mpwpkmrjughp5edypucfy6.streamlit.app