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| import os |
|  | os.environ['TF\_CPP\_MIN\_LOG\_LEVEL'] = '2' |
|  | import requests |
|  | from keras.preprocessing import image |
|  | from keras.models import load\_model |
|  | import numpy as np |
|  | import pandas as pd |
|  | import tensorflow as tf |
|  | from tensorflow.python.keras.backend import set\_session |
|  | from werkzeug.utils import secure\_filename |
|  | from flask import Flask, redirect,render\_template, request,url\_for |
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|  | app= Flask(\_\_name\_\_) |
|  | model1 = load\_model('fruit.h5') |
|  | model = load\_model('vegetable.h5') |
|  |  |
|  | @app.route('/') |
|  | def home(): |
|  | return render\_template('home.html') |
|  | @app.route('/Predict') |
|  | def prediction(): |
|  | return render\_template('predict.html') |
|  |  |
|  | @app.route('/Prediction',methods=['GET','POST']) |
|  | def upload(): |
|  | if request.method =='POST': |
|  | f= request.files['images'] |
|  | basepath = os.path.dirname(\_\_file\_\_) |
|  | file\_path=os.path.join(basepath, 'uploads',secure\_filename(f.filename)) |
|  | f.save(file\_path) |
|  | print("file save") |
|  | img = image.load\_img(file\_path, target\_size=(128,128)) |
|  | x=image.img\_to\_array(img) |
|  | print("image to gray") |
|  | x=np.expand\_dims(x, axis=0) |
|  | plant=request.form['plant'] |
|  | if (plant=="fruit"): |
|  | model1.predict\_classess(x) |
|  | print(preds) |
|  | df=pd.read\_excel('precautions - fruits.xlsx') |
|  | print (df.iloc[preds[0]]['cautions']) |
|  | else: |
|  | preds=model.predict\_classes(x) |
|  | df=pd.read\_excel('precautions - veg.xlsx') |
|  | print(df.iloc[preds[0]]['caution']) |
|  | return df.iloc[preds[0]]['caution'] |
|  |  |
|  | if \_\_name\_\_=="\_\_main\_\_": |
|  | app.run(debug=True) |