Application Building Python code

Team ID	PNT2022TMID51209
Project Name	Project - Fertilizers Recommendation System
	For Disease Prediction

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import os
from flask import Flask, redirect, render_template, request
from PIL import Image
import torchvision.transforms.functional as TF
import CNN
import numpy as np
import torch
import pandas as pd
import torch.nn as nn
disease_info = pd.read_csv('disease_info.csv', encoding='cp1252')
supplement_info = pd.read_csv('supplement_info.csv',encoding='cp1252')
model = CNN.CNN(39)
model = nn.DataParallel(model)
model.load_state_dict(torch.load(r"../Model/model.pth", map_location=torch.device("cpu")))
model.eval()
def prediction(image_path):
  image = Image.open(image_path)
  image = image.resize((224, 224))
  input_data = TF.to_tensor(image)
  input_data = input_data.view((-1, 3, 224, 224))
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output = model(input_data)

output = output.detach().numpy()

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index = np.argmax(output)
  return index
app = Flask(_name_)
@app.route('/')
def home_page():
  return render_template('home.html')
@app.route('/index')
def ai_engine_page():
  return render_template('index.html')
@app.route('/mobile-device')
def mobile_device_detected_page():
  return render_template('mobile-device.html')
@app.route('/submit', methods=['GET', 'POST'])
def submit():
  if request.method == 'POST':
    image = request.files['image']
    filename = image.filename
    file_path = os.path.join('static/uploads', filename)
    image.save(file_path)
    print(file_path)
    pred = prediction(file_path)
    title = disease_info['disease_name'][pred]
    description =disease_info['description'][pred]
    prevent = disease_info['Possible Steps'][pred]
    image_url = disease_info['image_url'][pred]
```