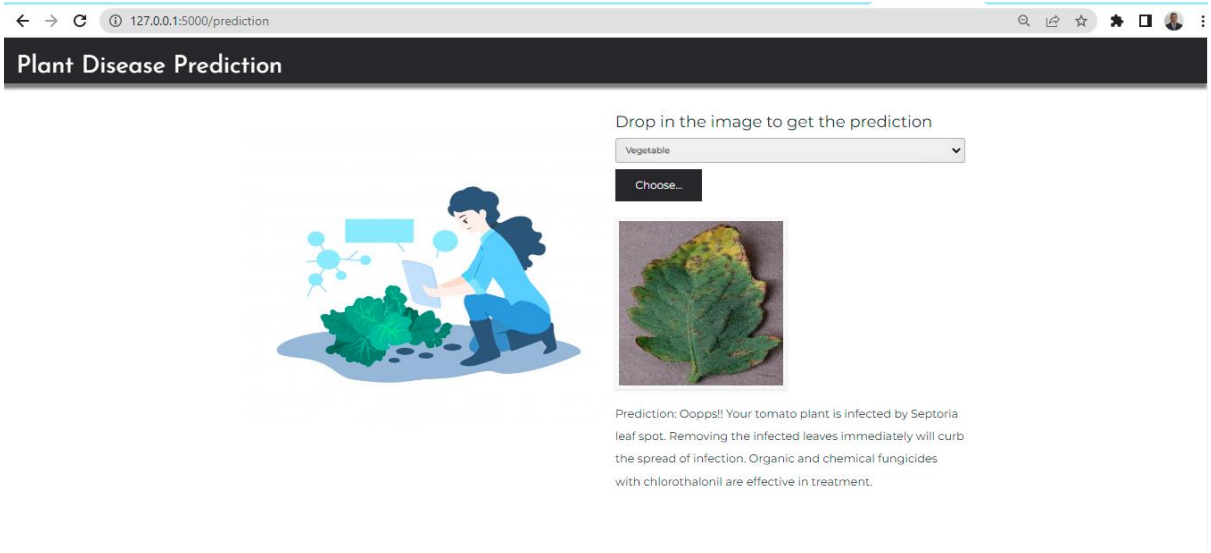
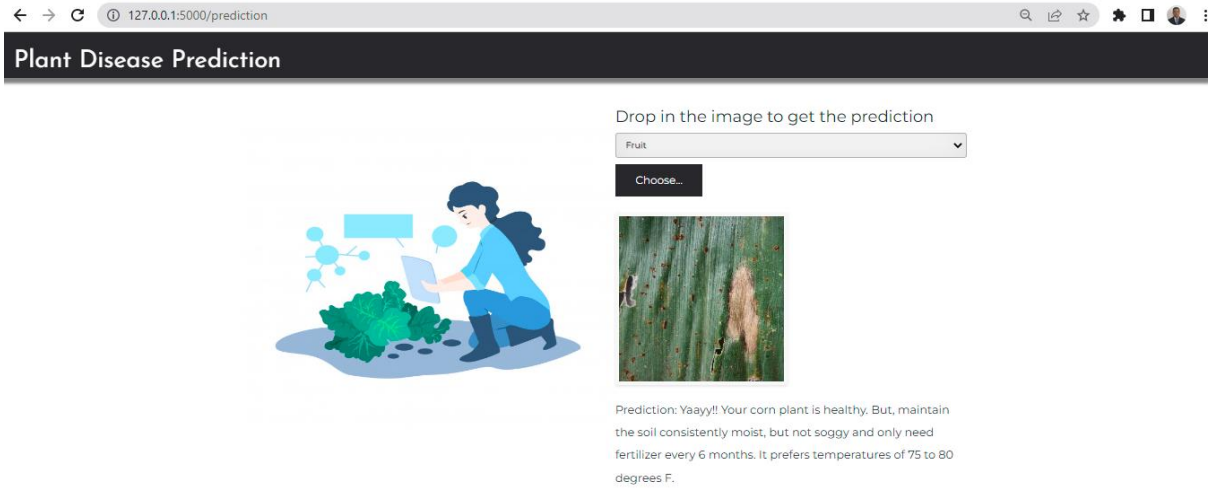
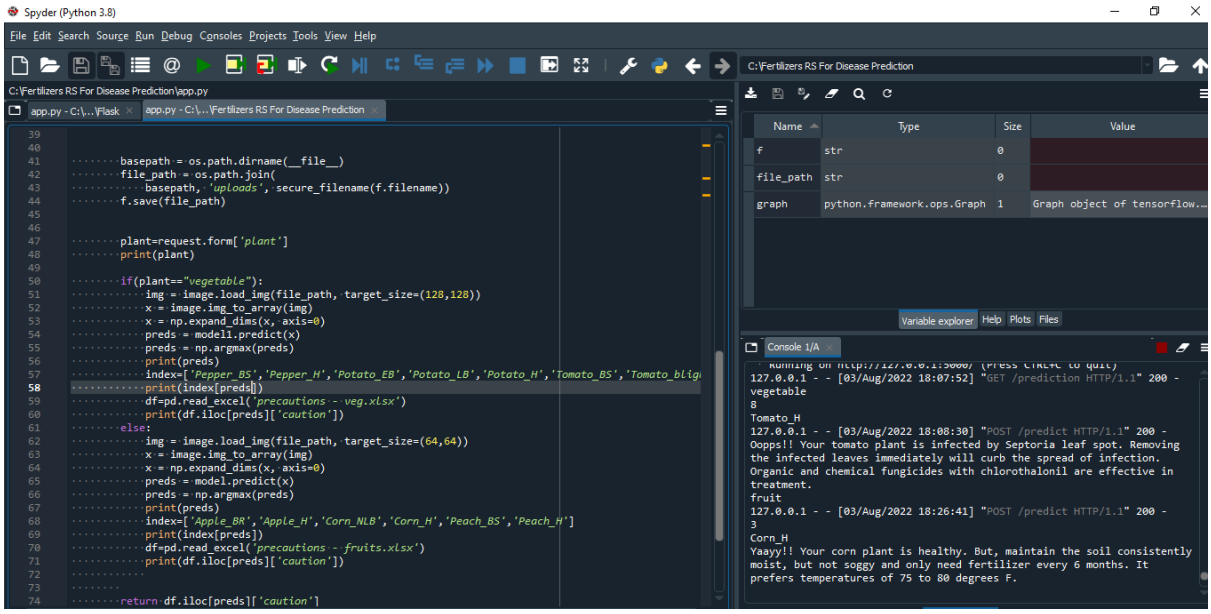
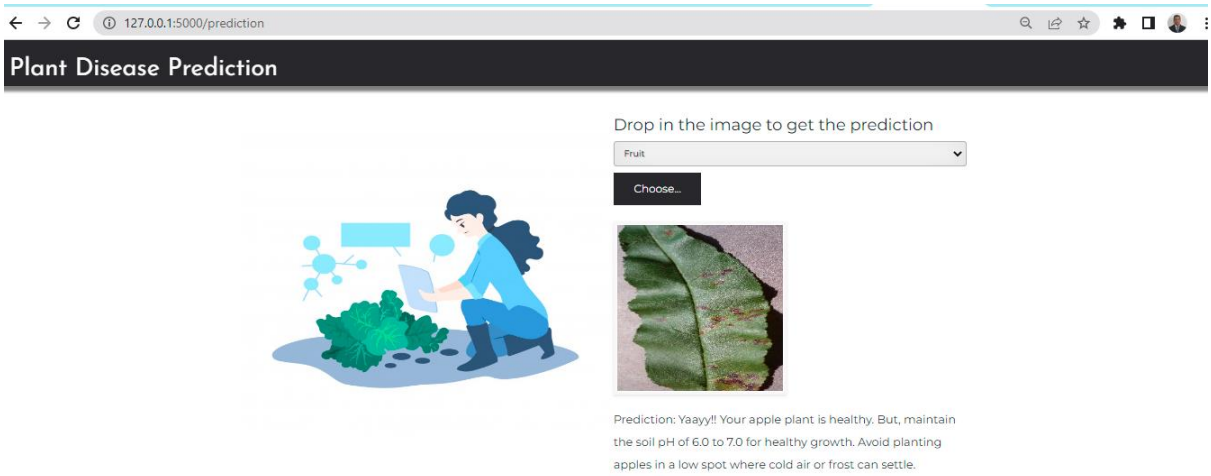
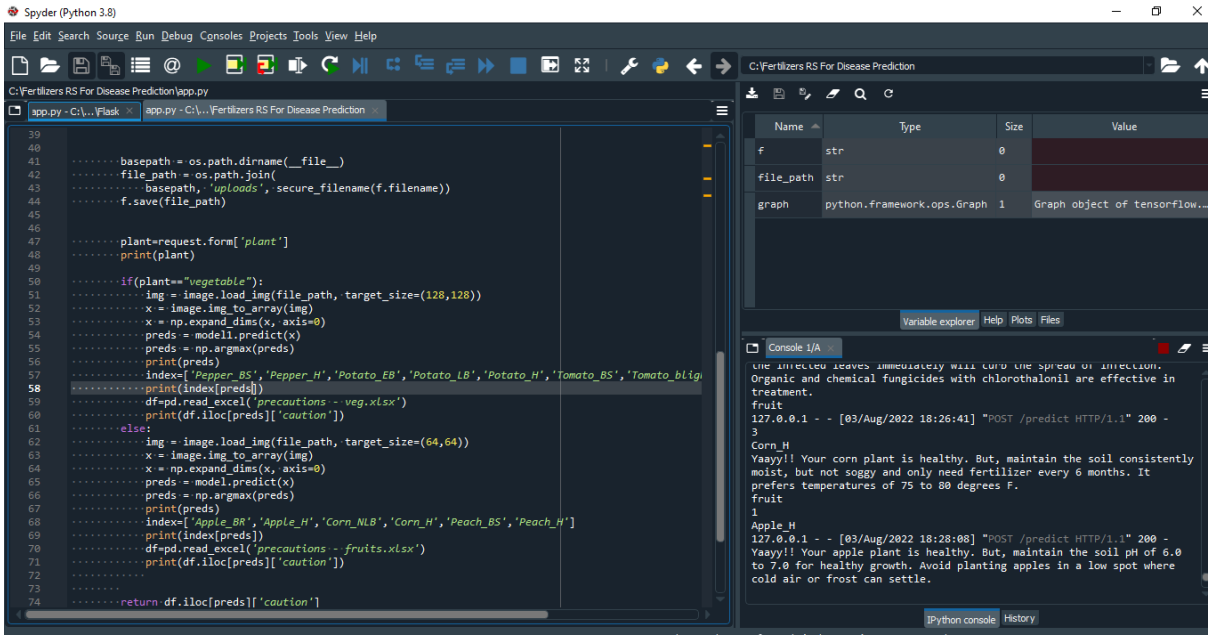
Fertilizers Recommendation System For Disease Prediction






Spyder (Python 3.8)
File Edit Search Source Run Debug Consoles Projects Tools View Help
C:\Fertilizers RS For Disease Prediction\app.py
app.py - C:\...\Flask
app.py - C:\...\Fertilizers RS For Disease Prediction
basepath = os.path.dirname(__file__)
file_path = os.path.join(
basepath, 'uploads', secure_filename(f.filename))
f.save(file_path)
plant=request.form['plant']
print(plant)
if(plant=="vegetable"):
img = image.load_img(file_path, target_size=(128,128))
x = image.img_to_array(img)
x = np.expand_dims(x, axis=0)
preds = model1.predict(x)
preds = np.argmax(preds)
print(preds)
index=['Pepper_BS','Pepper_H','Potato_EB','Potato_LB','Potato_H','Tomato_BS','Tomato_bligh
print(index[preds])
df=pd.read_excel('precautions - veg.xlsx')
print(df.iloc[preds]['caution'])
else:
img = image.load_img(file_path, target_size=(64,64))
x = image.img_to_array(img)
x = np.expand_dims(x, axis=0)
preds = model.predict(x)
preds = np.argmax(preds)
print(preds)
index=['Apple_BR','Apple_H','Corn_NLB','Corn_H','Peach_BS','Peach_H']
print(index[preds])
df=pd.read_excel('precautions - fruits.xlsx')
print(df.iloc[preds]['caution'])
return df.iloc[preds]['caution']
C:\Fertilizers RS For Disease Prediction
Name Type Size Value
f str 0
file_path str 0
graph python.framework.ops.Graph 1 Graph object of tensorflow...
Variable explorer Help Plots Files
Console 1/A
127.0.0.1 - - [03/Aug/2022 18:07:52] "GET /prediction HTTP/1.1" 200 -
vegetable
8
Tomato_H
127.0.0.1 - - [03/Aug/2022 18:08:30] "POST /predict HTTP/1.1" 200 -
Oopps!! Your tomato plant is infected by Septoria leaf spot. Removing the infected leaves immediately will curb the spread of infection. Organic and chemical fungicides with chlorothalonil are effective in treatment.
fruit
127.0.0.1 - - [03/Aug/2022 18:26:41] "POST /predict HTTP/1.1" 200 -
3
Corn_H
Yaayy!! Your corn plant is healthy. But, maintain the soil consistently moist, but not soggy and only need fertilizer every 6 months. It prefers temperatures of 75 to 80 degrees F.


127.0.0.1:5000/prediction
Plant Disease Prediction
Drop in the image to get the prediction
Fruit
Choose...
Prediction: Yaayy!! Your apple plant is healthy. But, maintain the soil pH of 6.0 to 7.0 for healthy growth. Avoid planting apples in a low spot where cold air or frost can settle.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treatment.
fruit
127.0.0.1 - - [03/Aug/2022 18:26:41] "POST /predict HTTP/1.1" 200 -
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Corn_H
Yaayy!! Your corn plant is healthy. But, maintain the soil consistently
moist, but not soggy and only need fertilizer every 6 months. It
prefers temperatures of 75 to 80 degrees F.
fruit
1
Apple_H
127.0.0.1 - - [03/Aug/2022 18:28:08] "POST /predict HTTP/1.1" 200 -
Yaayy!! Your apple plant is healthy. But, maintain the soil pH of 6.0
to 7.0 for healthy growth. Avoid planting apples in a low spot where
cold air or frost can settle.
IPython console History