


Fertilizers Recommendation System For Disease Prediction

← → ↺ 127.0.0.1:5000/prediction 🔍 📄 ☆ 🏠 👤 ⋮


Plant Disease Prediction



Drop in the image to get the prediction

Vegetable ▾


Choose...



Prediction: 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.

← → ↺ 127.0.0.1:5000/prediction 🔍 📄 ☆ 🏠 👤 ⋮


Plant Disease Prediction



Drop in the image to get the prediction

Fruit ▾

Choose...



Prediction: 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.

Spyder (Python 3.8)

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C:\Fertilizers RS For Disease Prediction\app.py

```

39
40 .....basepath = os.path.dirname(__file__)
41 .....file_path = os.path.join(
42 .....basepath, 'uploads', secure_filename(f.filename))
43 .....f.save(file_path)
44 .....
45 .....
46 .....
47 .....plant=request.form['plant']
48 .....print(plant)
49 .....
50 .....if(plant=="vegetable"):
51 .....    img = image.load_img(file_path, target_size=(128,128))
52 .....    x = image.img_to_array(img)
53 .....    x = np.expand_dims(x, axis=0)
54 .....    preds = model1.predict(x)
55 .....    preds = np.argmax(preds)
56 .....    print(preds)
57 .....    index=[ 'Pepper_BS', 'Pepper_H', 'Potato_EB', 'Potato_LB', 'Potato_H', 'Tomato_BS', 'Tomato_Blig
58 .....    dfpred.read_excel('precautions - veg.xlsx')
59 .....    print(df.iloc[preds]['caution'])
60 .....    else:
61 .....    img = image.load_img(file_path, target_size=(64,64))
62 .....    x = image.img_to_array(img)
63 .....    x = np.expand_dims(x, axis=0)
64 .....    preds = model1.predict(x)
65 .....    preds = np.argmax(preds)
66 .....    print(preds)
67 .....    index=[ 'Apple_BR', 'Apple_H', 'Corn_NLB', 'Corn_H', 'Peach_BS', 'Peach_H']
68 .....    print(index[preds])
69 .....    dfpred.read_excel('precautions - fruits.xlsx')
70 .....    print(df.iloc[preds]['caution'])
71 .....    print(df.iloc[preds]['caution'])
72 .....
73 .....
74 .....return df.iloc[preds]['caution']

```

Variable explorer

Name	Type	Size	Value
f	str	0	
file_path	str	0	
graph	python.framework.ops.Graph	1	Graph object of tensorflow...

Console 1/A

```

Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
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 -
Ooops!! 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.
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.

Spyder (Python 3.8)

File Edit Search Source Run Debug Consoles Projects Tools View Help

C:\Fertilizers RS For Disease Prediction\app.py

```

39
40
41 ..... basepath = os.path.dirname(__file__)
42 ..... file_path = os.path.join(
43 ..... basepath, 'uploads', secure_filename(f.filename))
44 ..... f.save(file_path)
45
46
47 ..... plant=request.form['plant']
48 ..... print(plant)
49
50 ..... if(plant=="vegetable"):
51 .....     img = image.load_img(file_path, target_size=(128,128))
52 .....     x = image.img_to_array(img)
53 .....     x = np.expand_dims(x, axis=0)
54 .....     preds = model1.predict(x)
55 .....     preds = np.argmax(preds)
56 .....     print(preds)
57 .....     index=[ 'Pepper_BS', 'Pepper_H', 'Potato_EB', 'Potato_LB', 'Potato_H', 'Tomato_BS', 'Tomato_Bligi'
58 .....     print(index[preds])
59 .....     dfepd.read_excel('precautions - veg.xlsx')
60 .....     print(df.iloc[preds]['caution'])
61 ..... else:
62 .....     img = image.load_img(file_path, target_size=(64,64))
63 .....     x = image.img_to_array(img)
64 .....     x = np.expand_dims(x, axis=0)
65 .....     preds = model.predict(x)
66 .....     preds = np.argmax(preds)
67 .....     print(preds)
68 .....     index=[ 'Apple_BR', 'Apple_H', 'Corn_NLB', 'Corn_H', 'Peach_BS', 'Peach_H' ]
69 .....     print(index[preds])
70 .....     dfepd.read_excel('precautions - fruits.xlsx')
71 .....     print(df.iloc[preds]['caution'])
72 .....
73 .....
74 ..... return df.iloc[preds]['caution']

```

Variable explorer

Name	Type	Size	Value
f	str	0	
file_path	str	0	
graph	python.framework.ops.Graph	1	Graph object of tensorflow...

Console I/O

```

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.
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.

```

Python console History