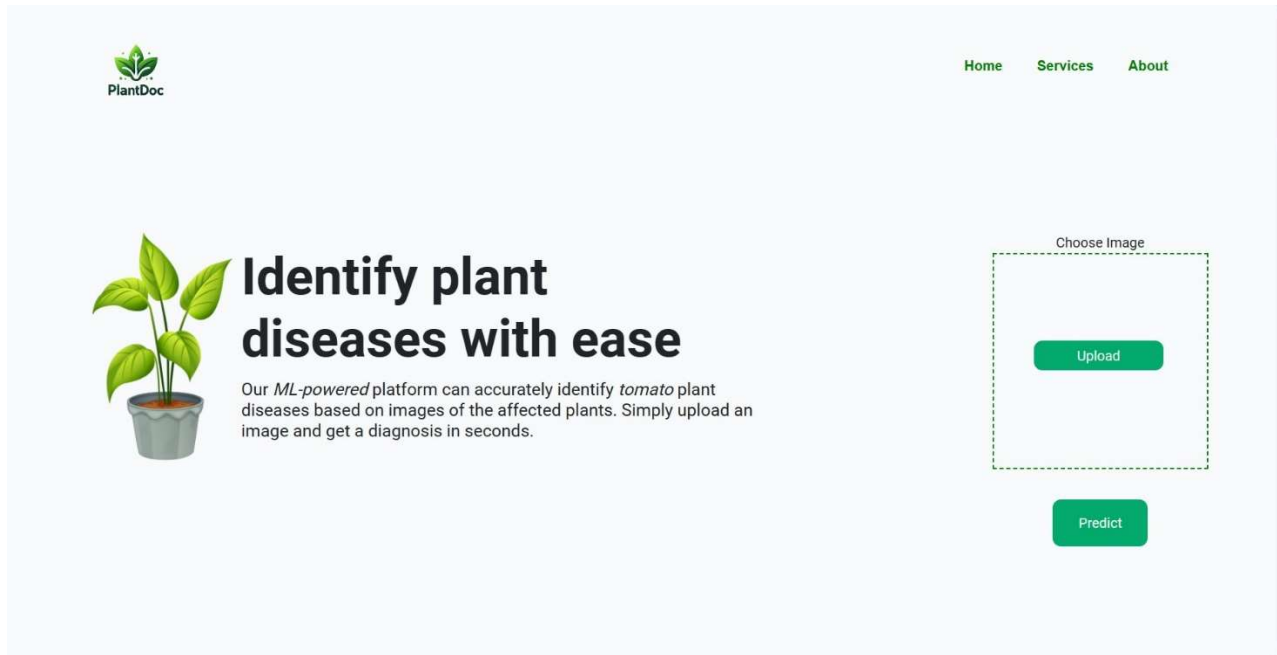


Leaf Disease Identification Using InceptionV3 with Treatment Handling System

WEB APPLICATION OUTPUT :

1)



Landing page..

2)



[Home](#) [Services](#) [About](#)



Identify plant diseases with ease

Our *ML-powered* platform can accurately identify *tomato* plant diseases based on images of the affected plants. Simply upload an image and get a diagnosis in seconds.

Choose Image



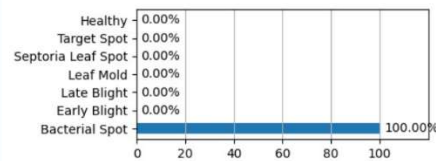
Predict



PREDICTION

Bacterial Spot

ANALYSIS



SOLUTIONS

Bacterial spot is a common disease in tomatoes caused by the bacteria *Xanthomonas campestris* pv. *vesicatoria*. It manifests as dark, water-soaked spots on leaves, stems, and fruit, eventually leading to defoliation and reduced yield if left unchecked. Here's a guide to managing and potentially curing bacterial spot in tomato plants:

Sanitation: Start by removing and destroying any infected plant material. This includes infected leaves, stems, and fruit. Do not compost infected material, as it can spread the disease.

Crop Rotation: Avoid planting tomatoes or other susceptible crops in the same location where infected plants populations in the soil.

Pruning: Prune the plants to improve air circulation and reduce humidity around the foliage. This can help prevent the spread of bacterial spot and create an environment less favorable for bacterial growth.

Water Management: Water the plants at the base rather than from overhead to reduce moisture on the foliage. Water early in the day to allow foliage to dry quickly, as prolonged leaf wetness can promote bacterial growth.

Copper-Based Fungicides: Copper-based fungicides can help manage bacterial spot in tomatoes. Apply according to the manufacturer's instructions, usually as a preventive measure or at the first signs of disease.

Biological Controls: Some beneficial bacteria and fungi can compete with or suppress the growth of harmful

MACHINE LEARNING OUTPUT :

Actual: Leaf_Mold,
Predicted: Bacterial_spot.
ACCURACY: 99.54%



Actual: healthy,
Predicted: healthy.
ACCURACY: 99.07%



Actual: Septoria_leaf_spot,
Predicted: Septoria_leaf_spot.
ACCURACY: 99.79%



Actual: Early_blight,
Predicted: Early_blight.
ACCURACY: 92.91%



Actual: healthy,
Predicted: healthy.
ACCURACY: 99.93%



Actual: Leaf_Mold,
Predicted: Leaf_Mold.
ACCURACY: 100.0%



Actual: Early_blight,
Predicted: Early_blight.
ACCURACY: 100.0%



Actual: Leaf_Mold,
Predicted: Leaf_Mold.
ACCURACY: 99.94%



Actual: healthy,
Predicted: healthy.
ACCURACY: 89.76%



ACCURACY

