

Api Documentation

- **Description:**
This endpoint allows users to upload an image of a plant leaf and receive a prediction of the disease affecting the plant.
- **Endpoint:**
http://127.0.0.1:5000/predict_image
- **Method:**
POST
- **Request Parameters:**
image: The image file to be classified. This should be sent as a multipart/form-data in the request body.
- **Response:**
JSON object containing:
 - Label : String -The predicted class of the image .
 - probability : float - The predicted percentage of the image
- **Error Handling:**
If any error occurs during processing, an error message will be returned in the JSON format.
- **Example of Response:**

```
{  
  "label": "Tomato___Late_blight",  
  "probability": 0.97  
}
```

Note :

To use the flask-backend code , you need to download The model first :

Kaggle Link : <https://www.kaggle.com/code/tokashawky/new-plant-diseases-dataset-cnn>

- Open “New Plant Diseases Dataset(CNN)” Model .
- Go to the Output then download “ model.h5 ” .
- Put the model in the same file with the code .
- Finally run the flask code .