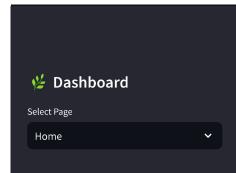
4/1/25, 3:05 PM Plant Disease Analyzer



## **ADVANCED LEAF DISEASE RECOGNITION SYSTEM**



## Welcome to the Advanced Leaf Disease Recognition System! 🥰





Our system combines two powerful AI technologies to provide accurate plant disease detection:

- 1. Object Detection (YOLO): Precisely locates diseased areas on the leaf
- 2. Classification (Hybrid CNN): Identifies the specific disease affecting your plant

1/2 localhost:8501/#4aaa3f8e

4/1/25, 3:05 PM Plant Disease Analyzer

## How It Works:

- 1. Upload an Image Go to the Disease Recognition page and upload a clear image of a plant leaf.
- 2. Dual AI Analysis The system analyzes your image using both YOLO object detection and our specialized Hybrid CNN with attention mechanism.
- 3. Detailed Results Get a comprehensive diagnosis showing both localized detection and overall classification.

## Why Choose Our Advanced System?

- Higher Accuracy Two complementary Al models working together
- Visual Explanation See exactly where the disease appears on the leaf
- Confident Diagnosis Get confidence scores for more reliable results
- Ready to begin? Head over to the Disease Recognition page and start diagnosing your plants today!

localhost:8501/#4aaa3f8e