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# 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

## 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 AI 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!