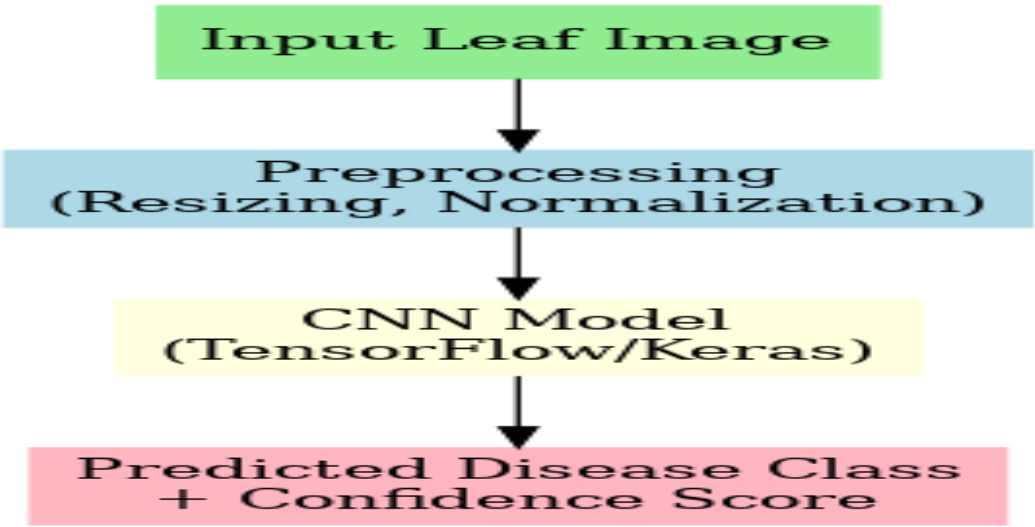


Tomato Leaf Disease Detection using Deep Learning

Project Overview

This project leverages advanced deep learning techniques to automatically detect diseases in tomato leaves. By classifying leaf conditions accurately, farmers and researchers can save time, reduce crop losses, and improve agricultural productivity. The model uses a Convolutional Neural Network (CNN) built with TensorFlow/Keras for robust classification.

Workflow



Sample Results

Input	Predicted Class	Confidence Score
Leaf Image	Early Blight	92%
Leaf Image	Late Blight	89%
Leaf Image	Healthy	95%

Key Benefits

- ✓ Automated and accurate disease detection
- ✓ Faster decision-making for crop management
- ✓ Scalable AI solution for agriculture
- ✓ Helps reduce losses and increase yield