KHETI - The Smart Farming Assistant

Guide: Dr. Megha Trivedi

PROBLEM STATEMENT

- Farmers worldwide face numerous challenges in optimizing crop production, including identifying and treating plant diseases, predicting crop yields

SOLUTION

- Kheti can be used by farmers to identify plant diseases by uploading images of their plants. The application will then use image classification algorithms to identify the disease and provide recommendations for treatment

SOLUTION

- Yield prediction: Kheti can predict the yield of a crop based on a variety of factors, such as the type of crop, the soil quality
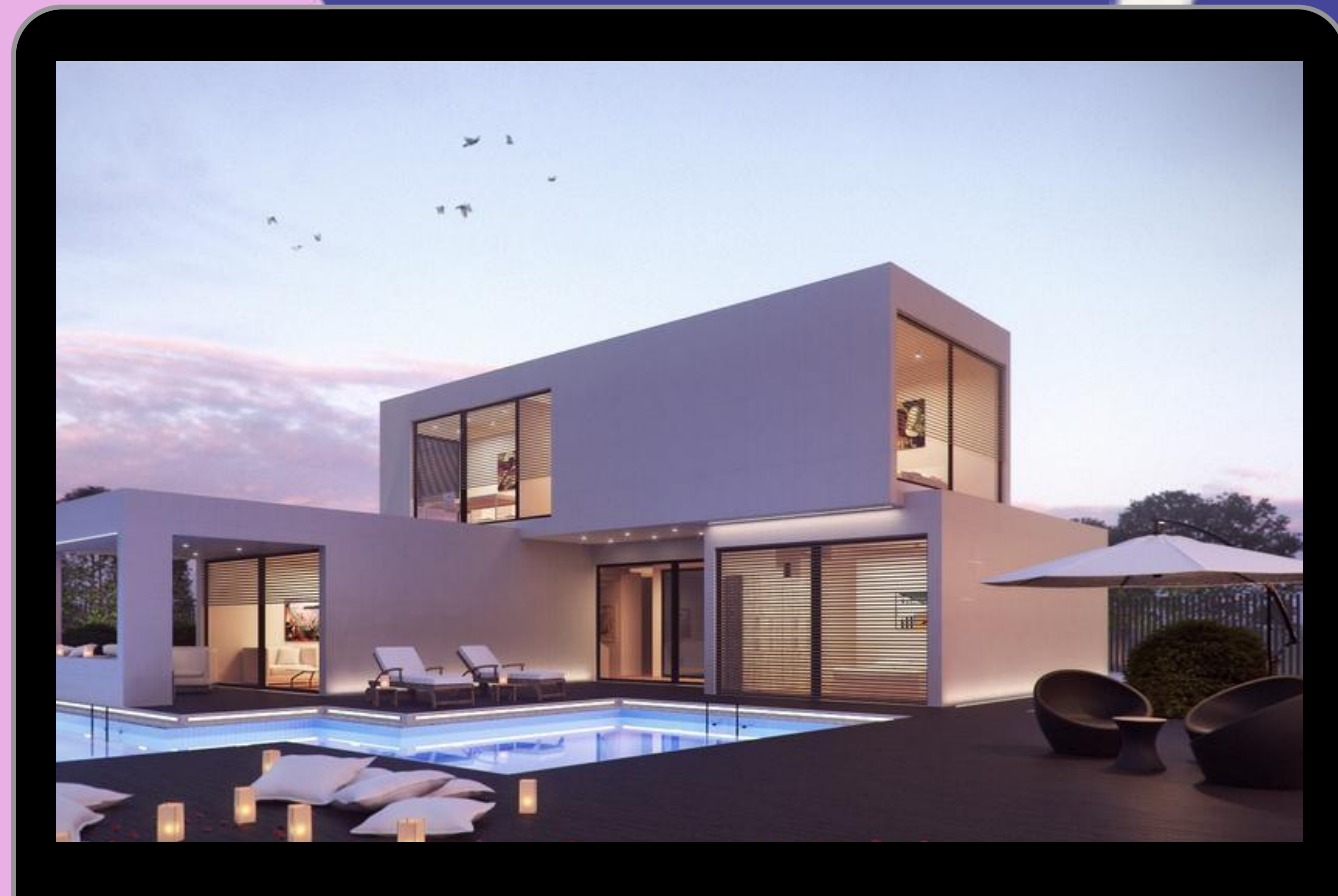
Architecture

Step 1	Upload Image
Step 2	Model predicts the disease
Step 3	Disease identified and fertilizer recommendation

Tech Stack

What are the technologies you are gonna
use to implement the solution....
- PyTorch Model
- Random Forest
- NextJS
- Flask
- Kaggle Notebook

FUTURE ASPECT

- Adding Weather Predictions.
- Fertilizer Shop recommendations according to the region.
- Giving information about latest government schemes for farmers.

The Team

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