

SAYYED MUHAMMAD ATIF ALI

Introduction to Plant Guard

Introducing Plant Guard: Revolutionizing Home Gardening





Slide 1: Introduction of the Project

A web-based AI solution for identifying plant diseases and treatments.



Muhammad Atif



Roshaan



Slide 2: Team Introduction

Meet the Team Behind Plant Guard

Slide 3: App Overview and Functionality

How PlantGuard Works



User Image Upload

Users upload plant images to start the analysis process.



Feature Extraction

Vision LLM extracts critical image features and detects disease symptoms.



Disease Prediction

Reasoning LLM analyzes features to predict possible plant diseases.



Actionable Recommendations

The app provides actionable recommendations based on predictions.



Support for Users

Helps farmers and urban gardeners take prompt action against plant diseases.

Slide 4: Application of Technology

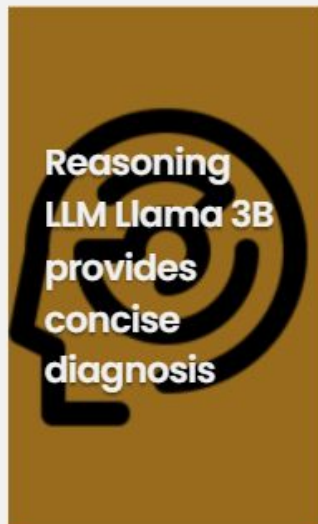
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Utilizes advanced AI to analyze and interpret plant photographs effectively.



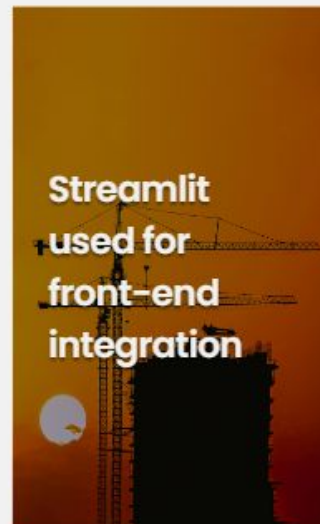
Detects various characteristics and potential issues in plants for accurate assessments.



Offers quick and reliable diagnoses based on the features extracted from images.



Ensures user data protection and tracks interaction history securely.



Facilitates user-friendly access and interaction with the application through a streamlined interface.

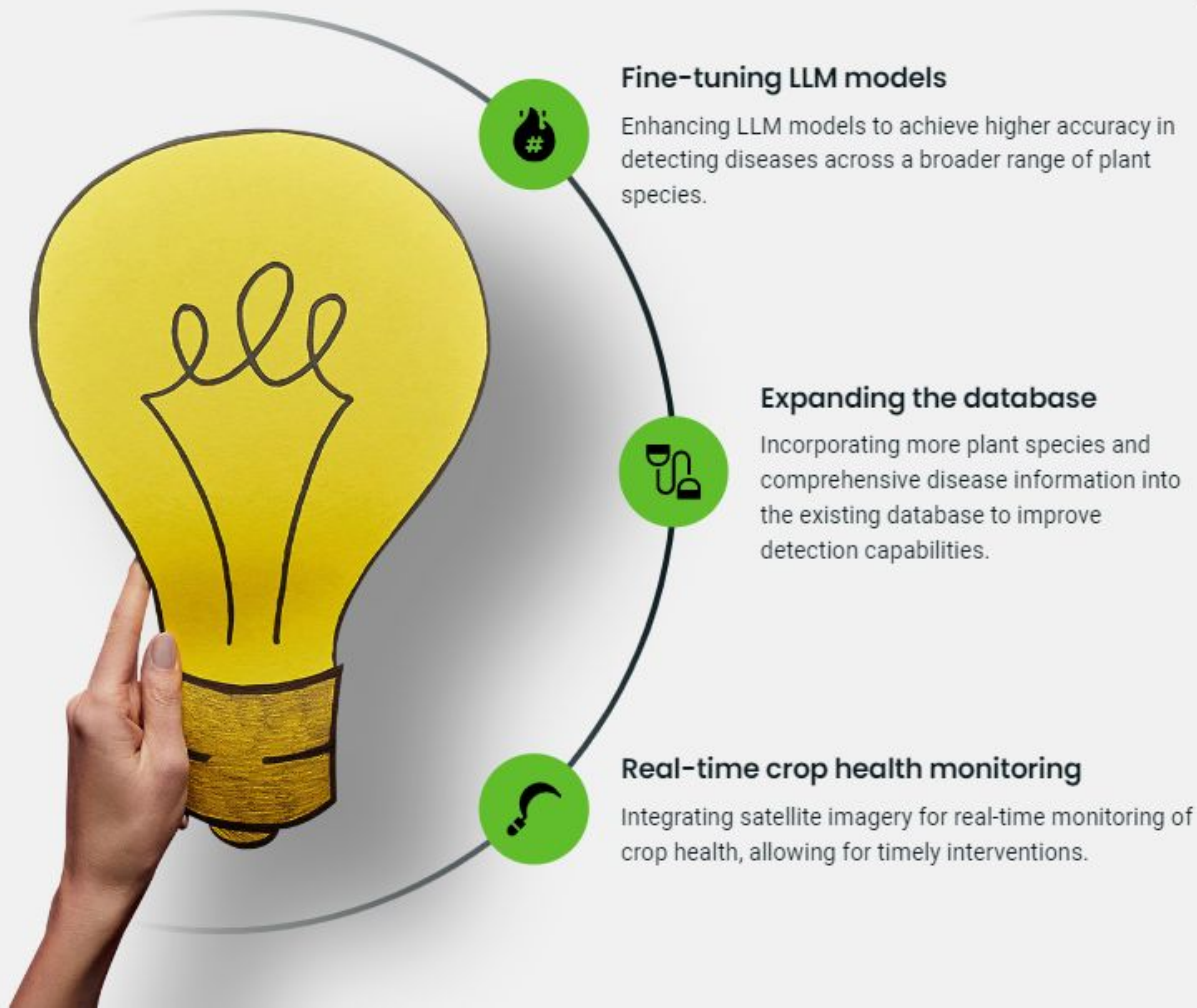


Slide 5: Use Case for Farmers

Quick and accurate disease detection for timely intervention and reduced crop losses.

Slide 6: Future Enhancements

Exploring advancements in plant disease detection and monitoring





Slide 7: Conclusion

PlantGuard: An AI Solution for Effective Plant Disease Management