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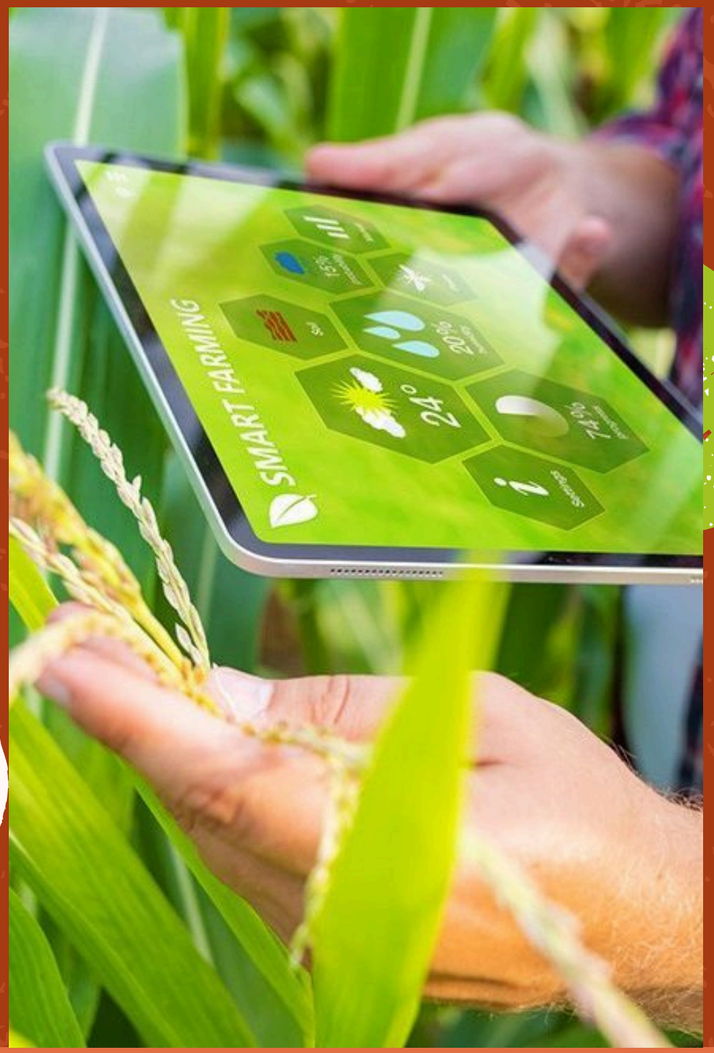
CROP DISEASE DETECTOR

Transforming Agriculture with AI technology for farmers



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PROBLEMS

Crop farming as one of the greatest source of food for the people and income for the nation Is greatly challenged by Crops diseases which in turn results in low yield and productivity.

- death of crops
- poor and low crop yield
- poor crop nutritional content

- Results in low productivity
- Depreciates the national economy
- can result in food scarcity, and maybe death.

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SOLUTIONS

This AI-powered crop disease detector aims to **innovate farming practices** by identifying diseases early, helping farmers enhance productivity and reduce losses effectively.

KEY OBJECTIVES

- Identify diseases swiftly and accurately
- Provide actionable insights for farmers
- Increase crop yield and profitability

STRATEGIC GOALS

- Enhance food security globally
- Promote sustainable farming techniques
- Expand market reach for advanced technology

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BENEFITS FOR FARMERS

- **Increased yield** through timely intervention and accurate predictions.
- Early detection of diseases leads to healthier crops.
- Significant cost savings reduce the need for pesticides.
- Promotes **sustainable practices** and enhances soil health.

COMPETITIVE LANDSCAPE

- Gather images from fields regularly.
- Use drones for efficient surveying.
- Integration of local languages such as Hausa, Ibo and Yoruba
- Use of Google maps to locate the nearest Agrocentre
- Enabling offline usage and access to services and operations
- Prescriptive abilities
- Predictive abilities

MARKETING STRATEGIES

- **Establishing centers in urban and rural areas**
- **Employing Agents who help non-cooperators with our services**
- **Regular and proper adverts and awareness creation**
- **Collaborating with Agropreneurs**
- **Enabling free acres to several functionalities**
- **Discount for bulk services and sales**

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MARKET POTENTIAL

Exploring the **expanding role of AI** in transforming agricultural practices and improving crop health.

Rural Farmers

Urban Farmers

Industrial Farmers

KEY CONCEPTS OVERVIEW

Technology Integration

Seamless incorporation of AI into existing systems

User-Friendly Interface

Intuitive design ensures ease of use for farmers

Scalability

Adaptable solutions for farms of all sizes

Field Testing

Real-world trials validate effectiveness and accuracy

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COMPETITORS

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BUDGET

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Heading	Amount (₦)
Core Flutter App	₦300,000
AI model integration (Lite)	₦150,000
Localization	50,000
Google maps API	50,000
Others (Project management & buffer, Testing & bug fixes)	100,000
Total	**750,000**

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63%

Traditional Detection

Efficiency is limited, often leading to delayed responses.

87%

AI-Powered Detection

Leveraging **technology**, it improves response time and accuracy.

Our Homepage

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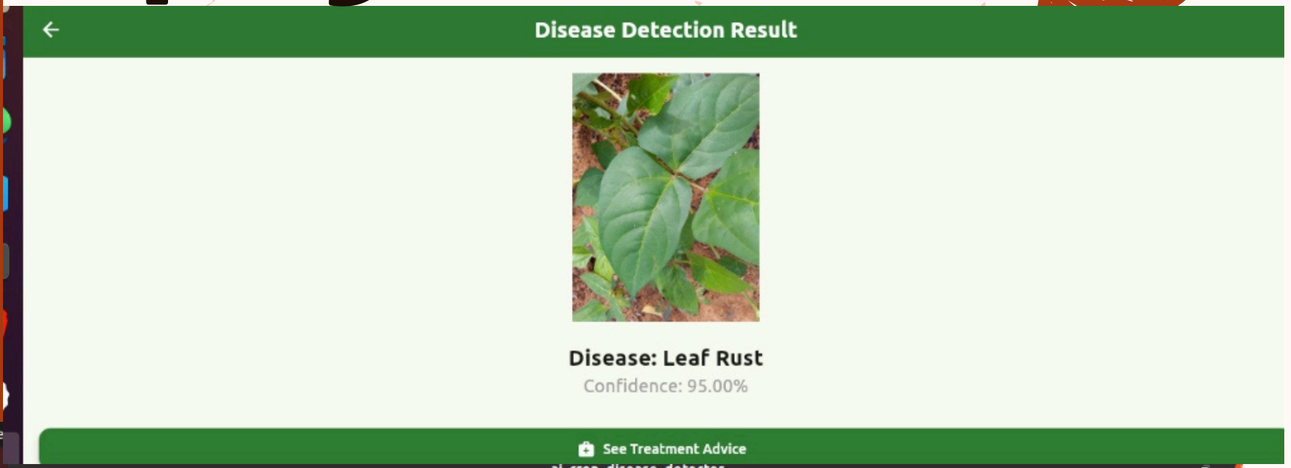

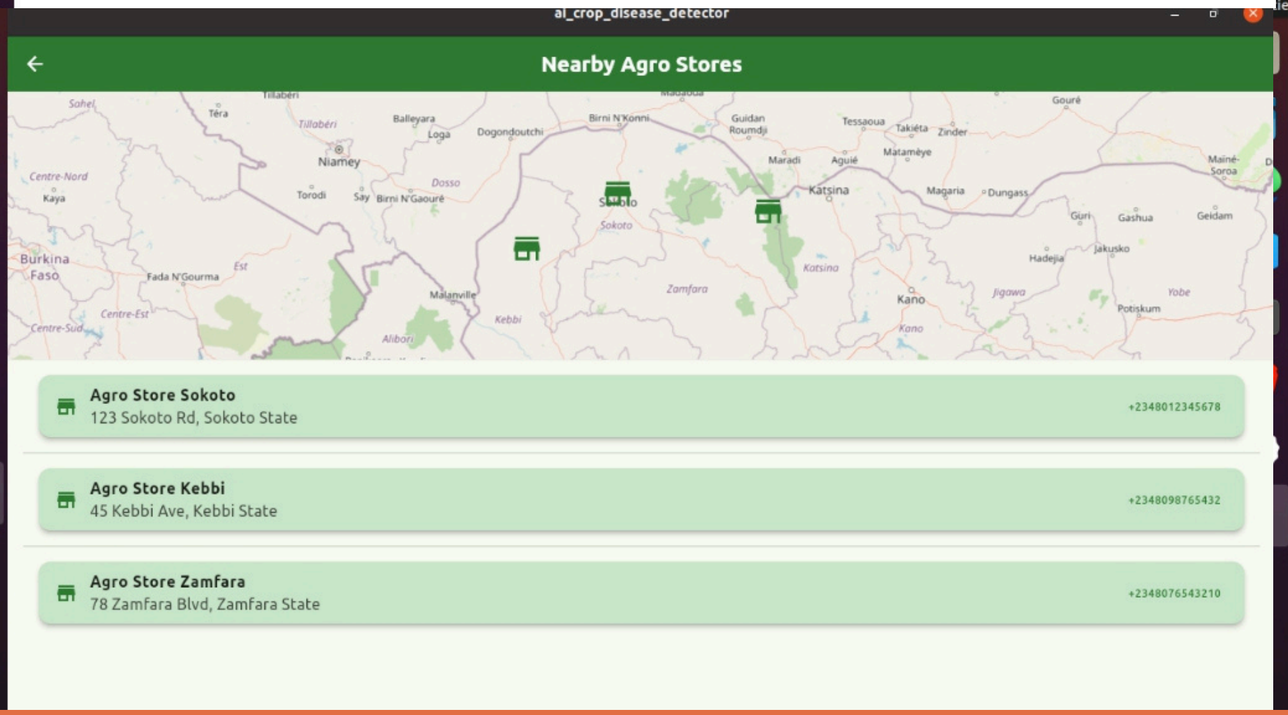

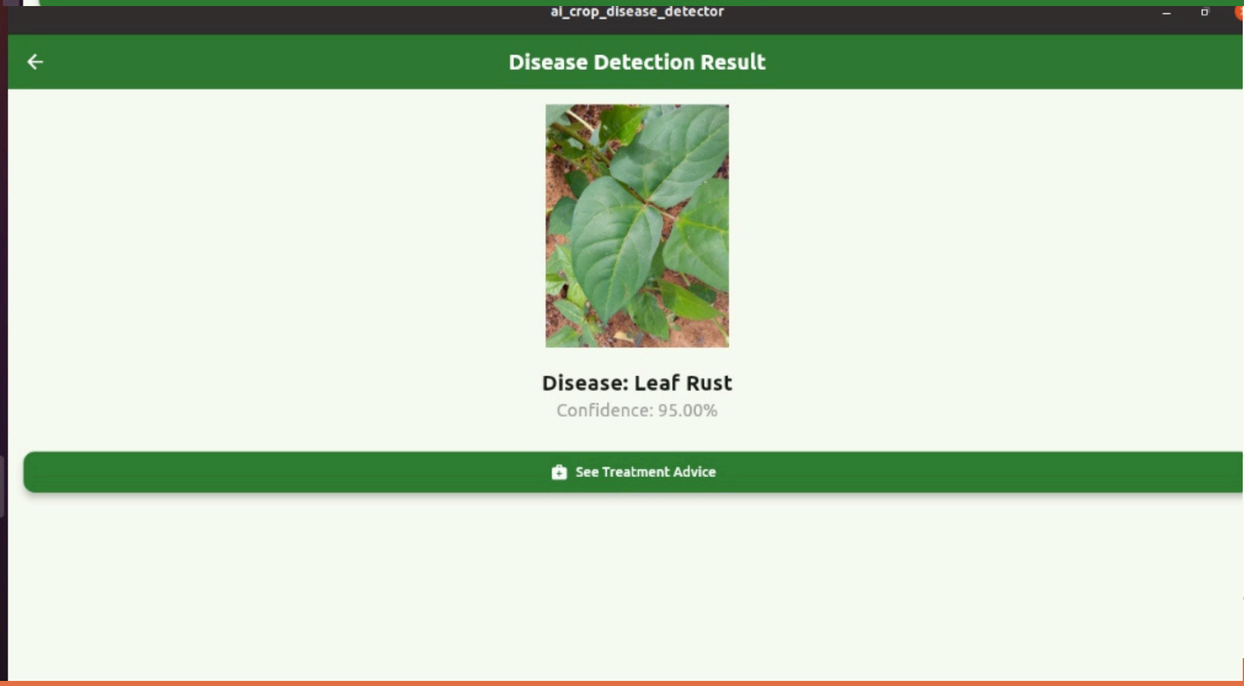

GET IN TOUCH WITH US

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