

Smart Farming AI Assistant

Empowering Indian farmers with AI-driven insights for sustainable agriculture. Personalized crop and farming recommendations based on weather and financial goals.

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Problem Statement



Access to Insights

Small farmers face difficulties accessing timely agricultural insights.



Personalized Recommendations

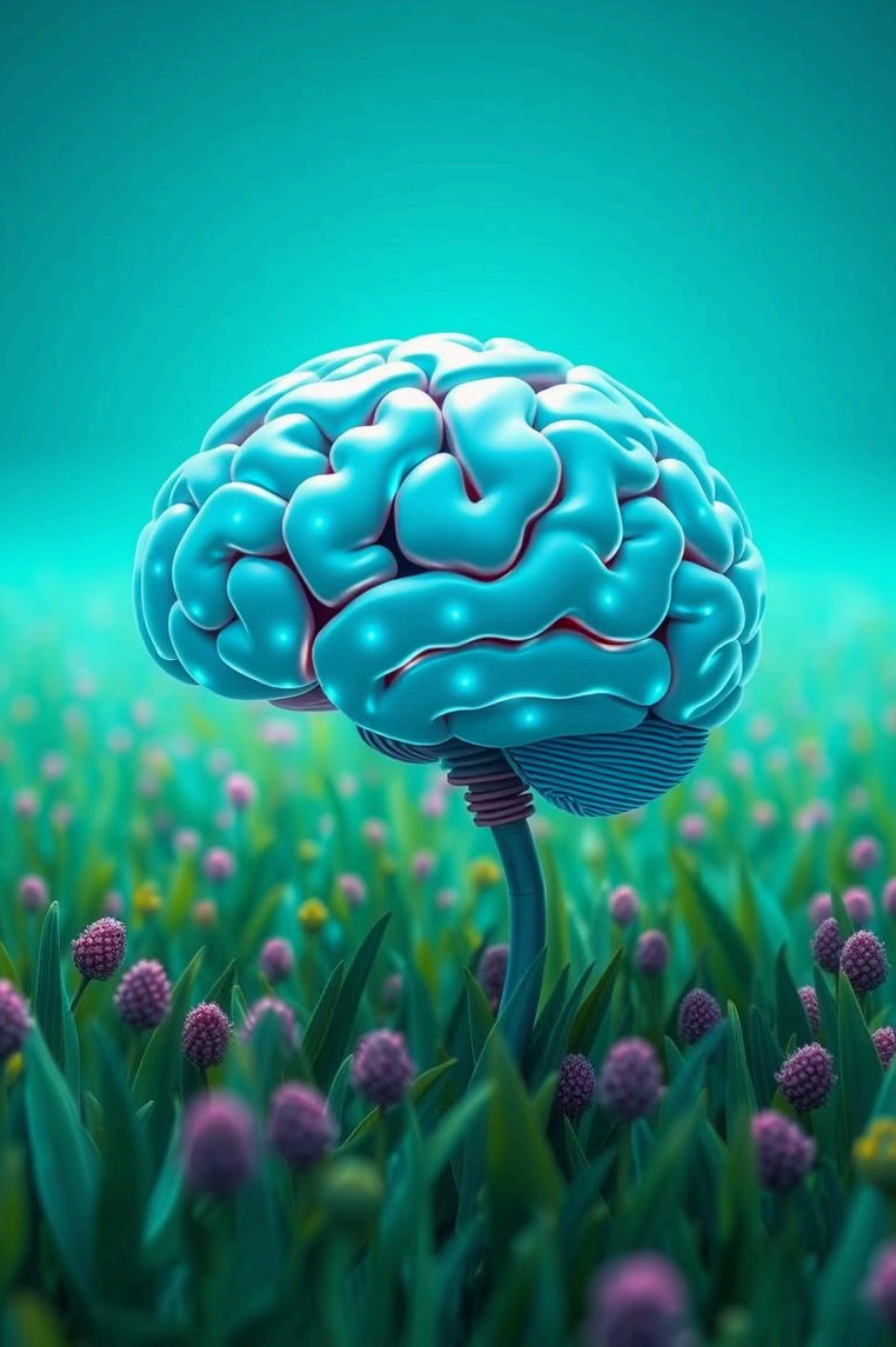
Project aims to provide personalized crop and farming recommendations.



Data-Driven Agriculture

Based on weather patterns and financial goals.





AI-Powered Solution



Farmer Data

Smart assistant trained on farmer data.



Integration

Integrates weather, crop info, and financial goals.



Real-Time

Provides personalized, real-time recommendations.

How It Works

1

Data Storage

Farmer data stored in SQLite database.

2

AI Analysis

AI model analyzes crop, rainfall, temperature, goals.

3

Recommendation

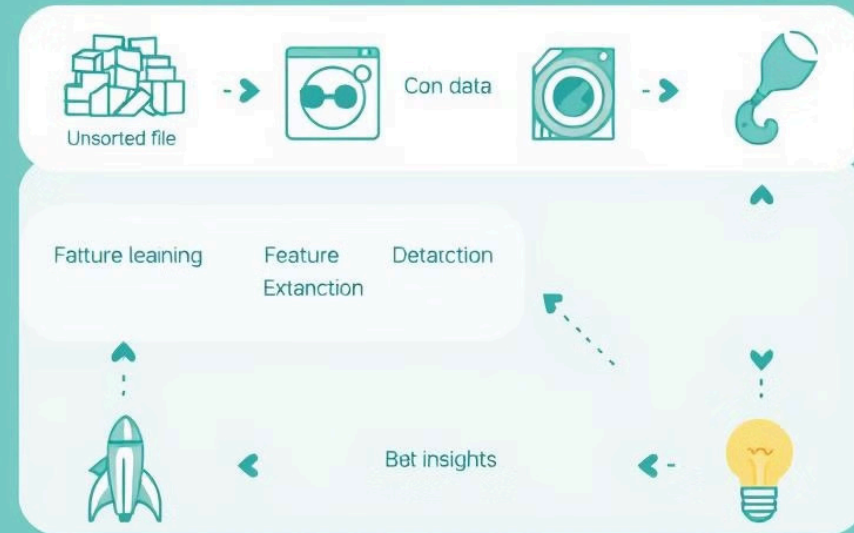
Recommendations generated using smart prompts.

4

Dashboard

Dashboard shows insights & suggestions using Gradio.

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Key Features

AI Recommendations

AI-based crop & farming recommendations.

Climate Analysis

Rainfall, temperature, humidity analysis.

Financial Goals

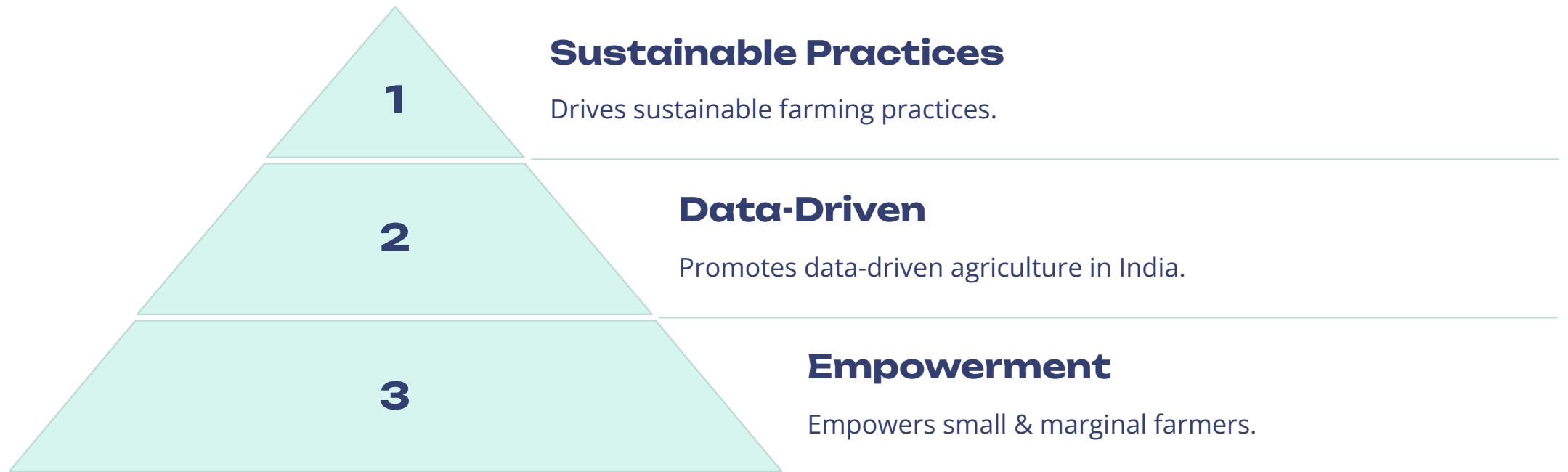
Financial goal-based suggestions.

User Dashboard

Gradio-powered user-friendly dashboard.



Project Impact



The AI Assistant empowers farmers, promotes sustainability, and drives data-driven agriculture in India.

Tools Used

Languages

- Python

Database

- SQLite

Interface

- Gradio

AI Model

- OpenAI GPT

Platform

- Google Colab



Thank You!

Let's enable smarter, sustainable farming together. Questions?