SMART AI FARMING
ASSISTANT

Challenges Farmers Face Today

Unpredictable Weather

Rain may come early, late, or not at all, making crop planning extremely difficult for farmers.

Language Barriers

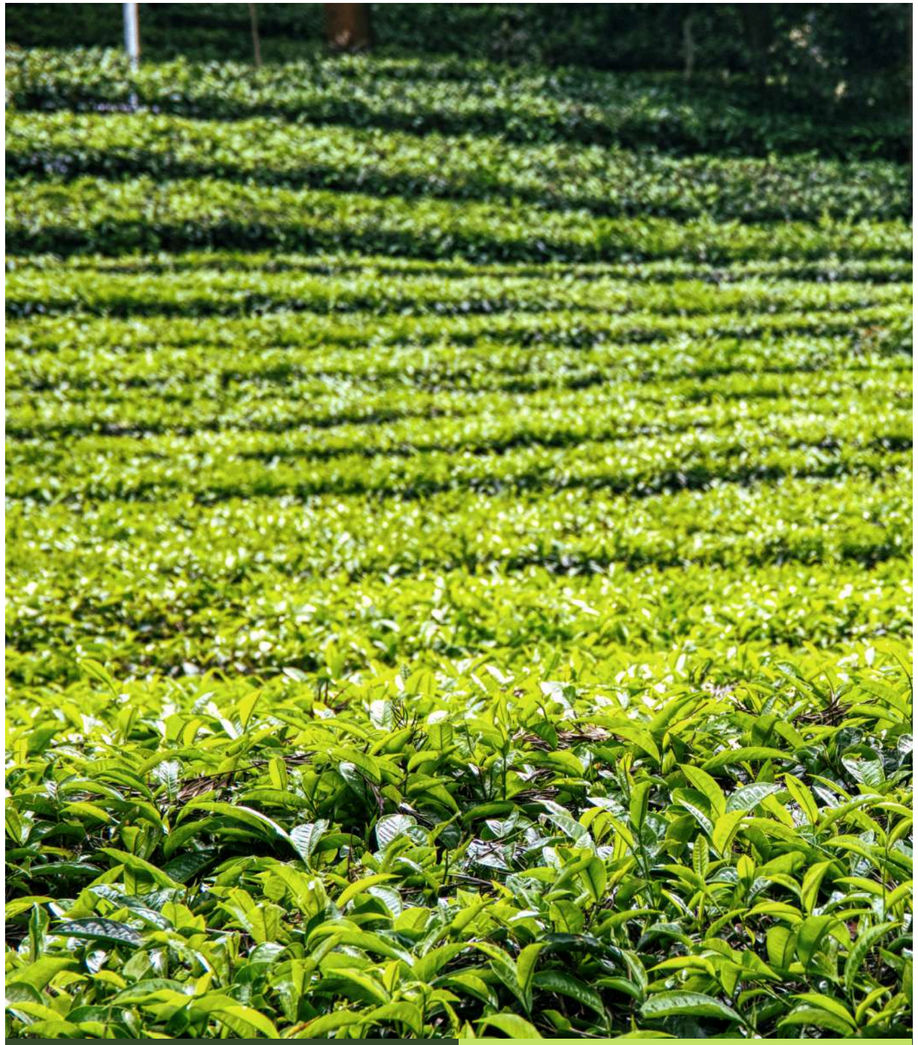
Many farmers cannot read English or navigate complex agricultural applications effectively.

Wrong Crop Choices

Selecting unsuitable crops leads to devastating failures and significant financial losses for farming families.

Information Gaps

Farmers lack access to current market prices, government schemes, and disease identification expertise.



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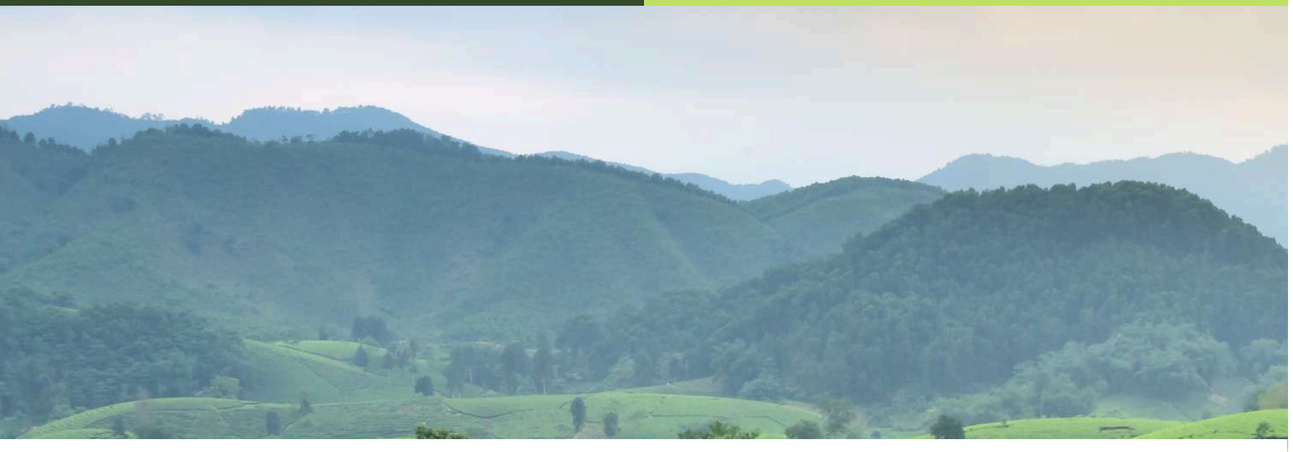
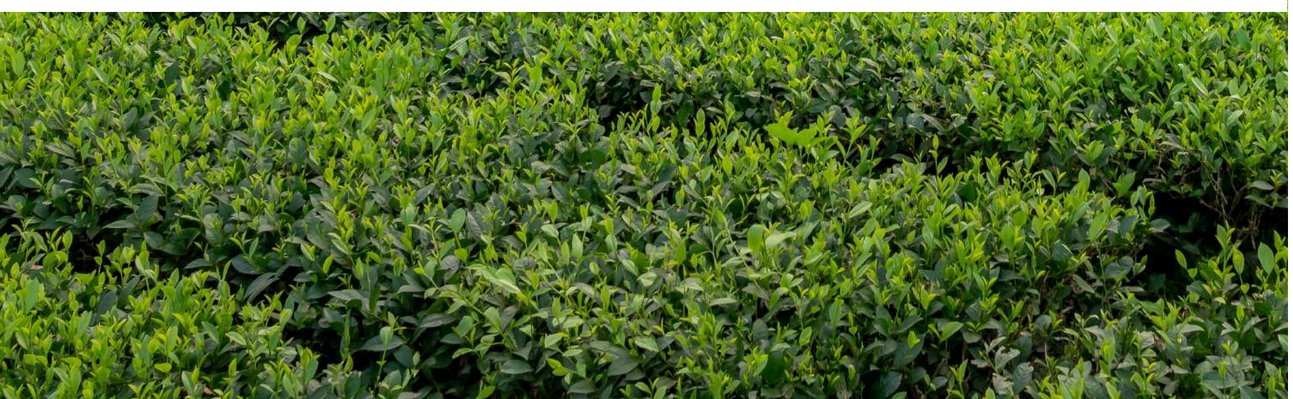
PRESENTATION BY
AARON LOEB



Smart Solution for Multiple Problems



01

Weather & Crop Prediction

AI models predict weather patterns and recommend optimal crops for local conditions.

02

Multilingual Communication

Farmers can interact in Hindi or Gujarati through voice and text interfaces.

03

Comprehensive Guidance

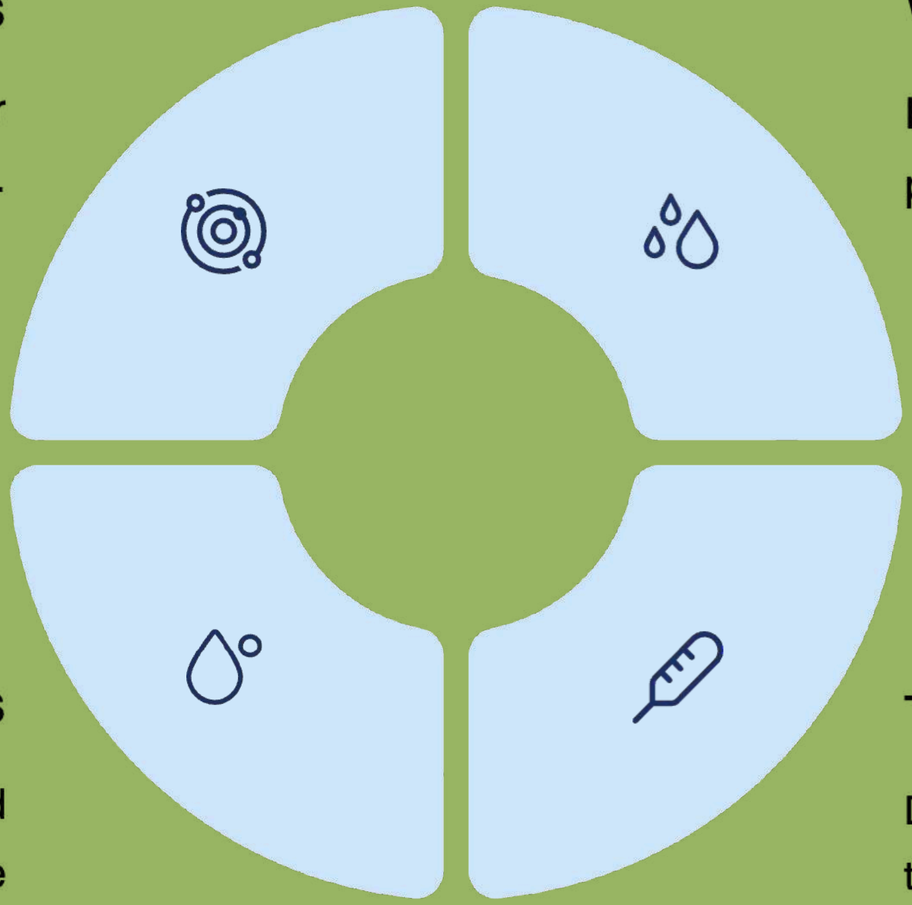
Provides market insights, disease identification, and government scheme information.

Soil Analysis

10 different soil types with pH levels for accurate crop recommendations.

Weather Data

Historical rainfall patterns plus real-time predictions for farming decisions.



Environmental Factors

Humidity levels, sunlight hours, and wind patterns for comprehensive analysis.

Temperature Tracking

Daily high, low, and average temperature monitoring across regions.

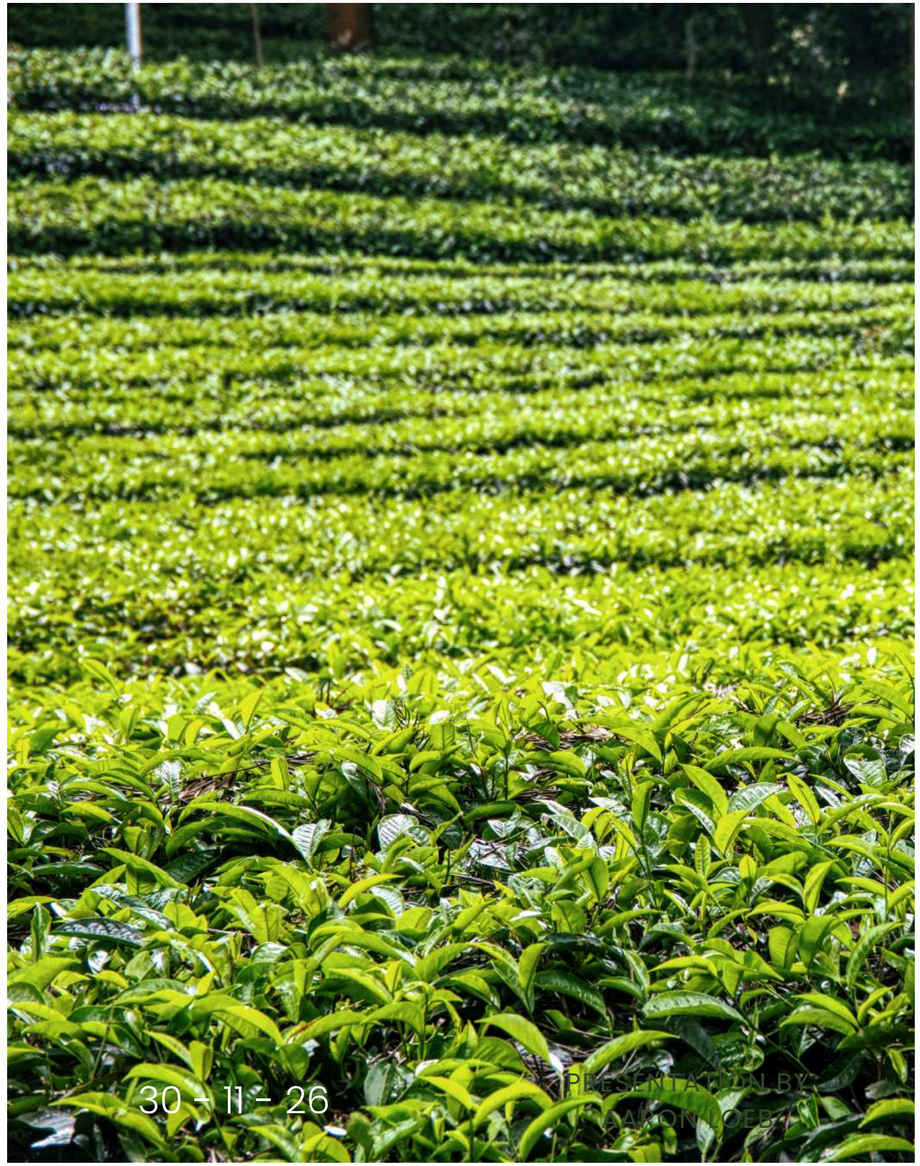
Smart Forecasting & Recommendations

Weather Forecasting

- AI predict rainfall amount, duration, and probability with good accuracy for local microclimates.

Crop Recommendations

- AI suggests optimal crops based on soil type, predicted weather conditions, and historical yield data for maximum profitability.



thank you