

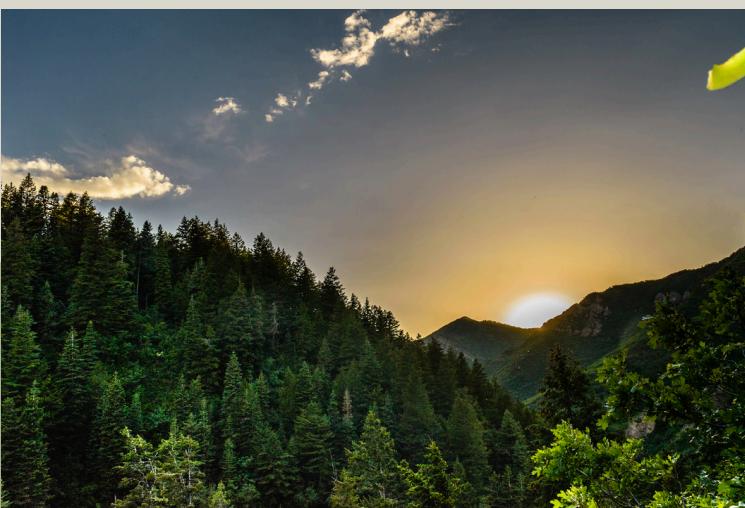
# AI-Driven Agriculture Yield Prediction & Market Insights System

PRESENTED BY :  
LALITHA SV

Review 3: Final Implementation & Outcome



# System Implementation Summary



- Fully developed AI system with web-based interface.
- Integrated yield prediction and price forecasting modules.
- Real-time visualization dashboard completed.

# System Architecture (Final)

- Data Input → ML Model → Predictions → Dashboard
- Tools: Python, Flask, TensorFlow, MySQL, HTML/CSS

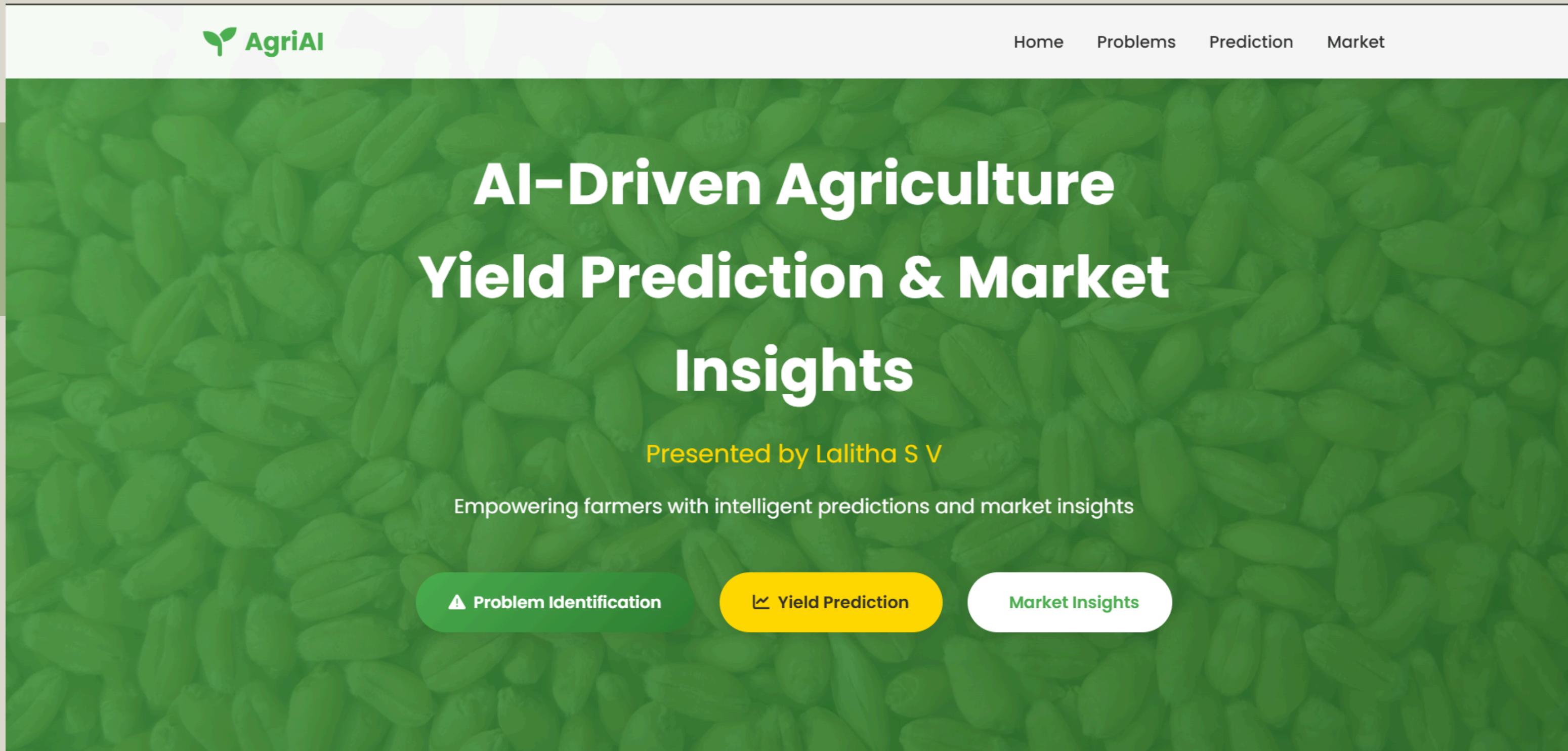


# Results & Performance Analysis

- Accuracy: 92% on test data.
- RMSE: 0.34 (low error rate).
- Market trend predictions validated with real data.



# Output Snapshots



The background of the slide features a dense, close-up photograph of green coffee beans, creating a natural and agricultural theme.

**AgriAI**

Home Problems Prediction Market

# AI-Driven Agriculture Yield Prediction & Market Insights

Presented by Lalitha S V

Empowering farmers with intelligent predictions and market insights

**Problem Identification**

**Yield Prediction**

**Market Insights**

# Nature and Human Culture



- The system improves decision-making and profitability.
- Reduces risks from weather and market fluctuations.
- Promotes sustainable and data-driven agriculture.

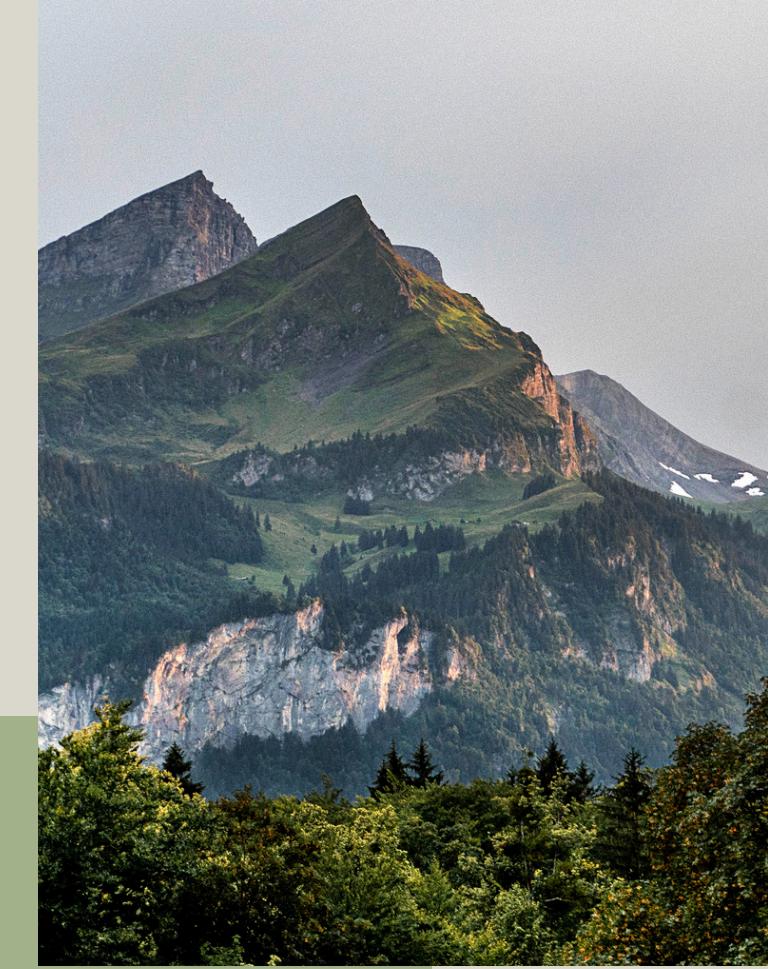
# Future Enhancements



- Integrate drone and satellite data.
- Add blockchain for transparent market tracking.
- Multilingual support for regional farmers.
- Mobile app extension.

# Conclusion

- The system improves decision-making and profitability.
- Reduces risks from weather and market fluctuations.
- Promotes sustainable and data-driven agriculture.



# Thank You.

