

KrishiAI: An Agriculture Chatbot

KrishiAI is an advanced chatbot designed to assist farmers by resolving cultivation-related queries. This intelligent system leverages cutting-edge technologies such as Retrieval-Augmented Generation (RAG), Large Language Models (LLMs), RASA, and a Knowledge Graph to provide accurate and context-aware responses.

Key Features of KrishiAI:

Query Resolution: Farmers can ask questions about crops, fertilizers, pests, diseases, and best practices, and KrishiAI provides reliable answers.

Context Awareness: The chatbot understands the conversation flow and asks follow-up questions if necessary.

Knowledge Graph Integration: It ensures that responses are based on structured agricultural knowledge, reducing misinformation.

Powered by RAG & LLM: KrishiAI enhances retrieval-based responses using LLM capabilities for better accuracy and relevance.

Responses from KrishiAI

What is KrishiAI? KrishiAI is a revolutionary agriculture chatbot, purpose-built to empower farmers with intelligent solutions to their cultivation challenges. Harnessing the power of AI, data analytics, and a structured knowledge base, it delivers precise, timely, and actionable insights — transforming the way farmers make decisions and optimize their yields.

Development of KrishiAI:

KrishiAI didn't just sprout up overnight! It was cultivated with care by Madhav and his brilliant team, with a little extra sunshine from top-notch experts—Professor Neeraj Goel, Professor Athula, and Shyama Wilsen. With their combined tech and agricultural wizardry.

How does KrishiAI generate answers? KrishiAI uses RAG (Retrieval-Augmented Generation) to fetch relevant information from structured knowledge sources and generate accurate responses.

With KrishiAI, farmers can get instant and reliable support for better crop management and agricultural decision-making.