

# Tools Used in the Project

## 1. Wikipedia:

- For general crop information (e.g., maize lifecycle, soybean soil needs).
- Used in initial dataset understanding and RAG knowledge enhancement.

## 2. Google:

- Real-time news and current farming trends.
- Used to verify crop prices, rainfall predictions, and pest outbreaks.

## 3. Weather API:

- Provides **real-time district-wise weather**.
- Integrated for **seasonal crop advice** based on current conditions.

# Data Used in the Project

1. Maize Production (District-Wise, in Metric Tons)
2. Paddy Farming Area (District-Wise, in Hectares)
3. Soybean Farming Area (District-Wise, in Hectares)
4. Seasonal Crop Advice (Weather-Based)
5. Rainfall Zones in Madhya Pradesh
6. Soil Types & Fertilizer Suggestions
7. Pest Control Quick Tips