

AI PLATFORM TO HELP SMALL FARMERS

Building an AI-powered platform that helps small-scale farmers optimize crop production using data-driven insights. The platform can provide real-time information about weather patterns, pest control, soil health, and personalized farming recommendations based on local conditions.

The AI-powered platform would act as a helpful assistant for you. It would gather data from different sources (like weather stations, sensors in the soil, and even satellite images) and analyse it to give you real-time advice on how to take care of your crops:

1. **WEATHER-** The platform would provide weather forecasts specific to your farm's location. It would warn you about upcoming storms, temperature changes, or rainfall, so you can plan ahead and protect your crops.
2. **PEST-** Using data from previous pest outbreaks and nearby farms, the platform would predict when pests might attack your crops and suggest the best times for applying natural pesticides or other pest control methods.
3. **SOIL HEALTH-** The platform would analyze data about the soil, like moisture levels and nutrients. It would tell you when to water your crops, which fertilizers to use, and whether the soil needs any special care.
4. **RECOMMENDATIONS-** Based on your specific farm's conditions (weather, soil, etc.), the platform would suggest the best types of crops to grow, how to space them, and when to plant or harvest them for the best yield.

This platform helps farmers make smarter decisions that increase crop production and reduce waste. It saves them time, energy, and resources by giving them precise, data-driven recommendations. Plus, it helps farmers deal with challenges like bad weather or pests, ensuring they get the best possible harvest.