Rice Digital Twin - Setup & Explanation

This project simulates a rice field in 3D using real-world data sources.

Features:

* • Real weather data via OpenWeatherMap API
* • IoT sensor simulation via CSV or MQTT
* • Growth stage modeling using machine learning
* • Terrain data from GIS (elevation raster)

To run locally:

1. Install Python requirements  
2. Provide API key in `.env`  
3. Start the app with `python app.py`