Crop Model Training Tech Stack

End-to-End Pipeline for Deep Learning Models

1. Data Preparation

Data & ETL

Pandas, NumPy

2. Feature Engineering

Preprocessing

Scikit-learn, ColumnTransformer

3. Training & Iteration

Deep Learning

TensorFlow, Keras

4. Deployment Ready

Save Artifacts

Joblib, H5, Matplotlib

Model 1: Crop Recommendation

Model 2: Yield Prediction