

AgriVision: AI-Powered Farming

AgriVision is an AI-powered mobile app. It provides smart solutions. It uses real-time data and AI. It is designed for modern agriculture.

It supports local languages for accessibility. It works online & offline. AgriVision helps farmers make data-driven decisions. It results in healthier crops and higher yields.

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AgriVision Tech Stack

CNN for Classification

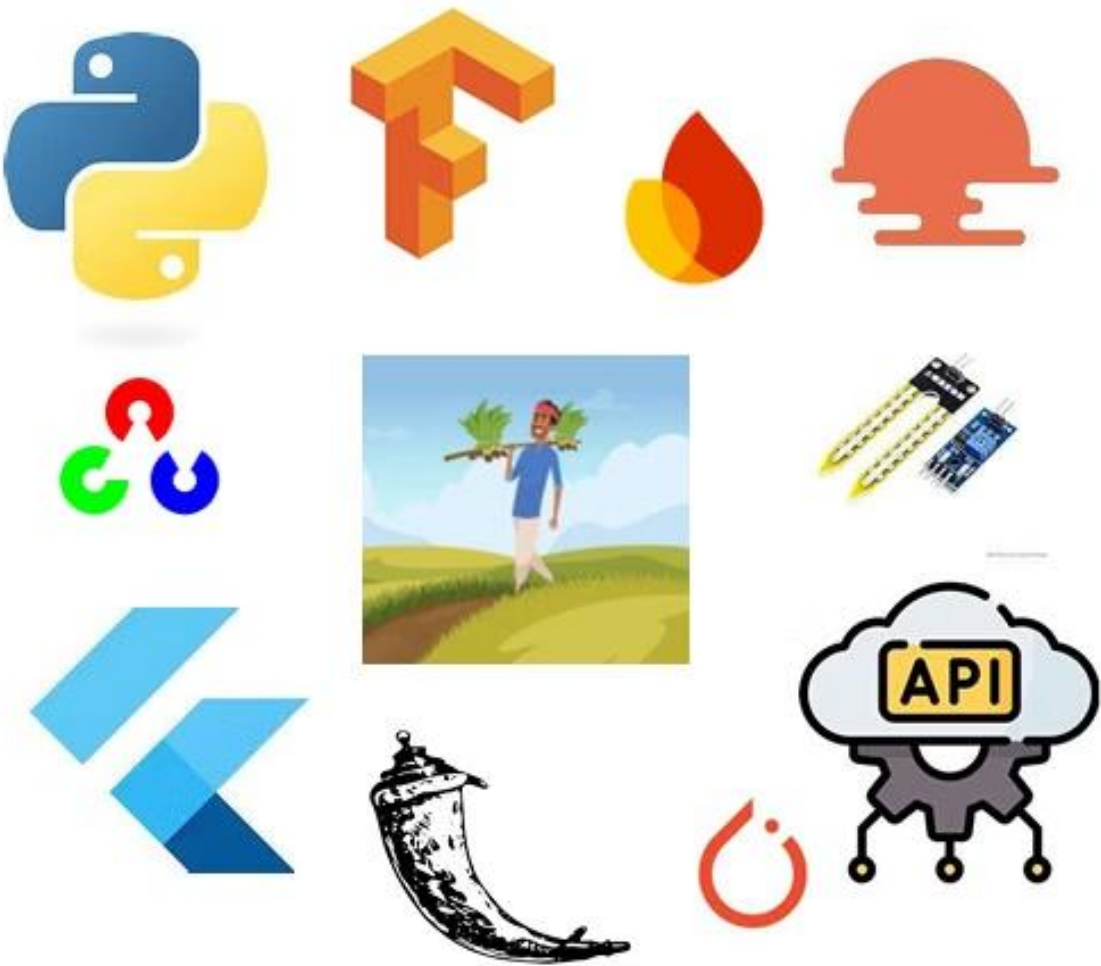
MobileNetV2 extracts image features. An output softmax layer classifies. OpenCV handles preprocessing.

Random Forest

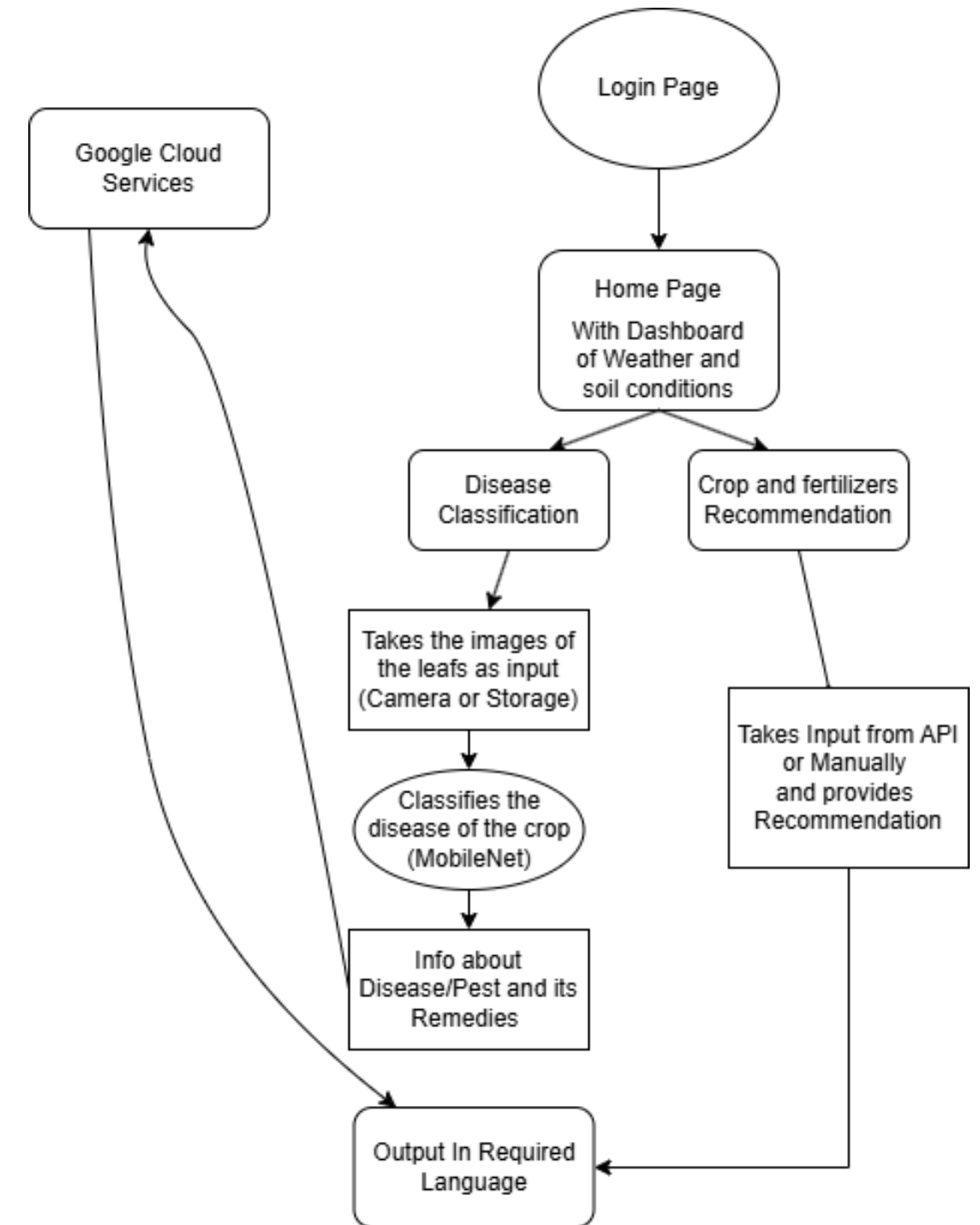
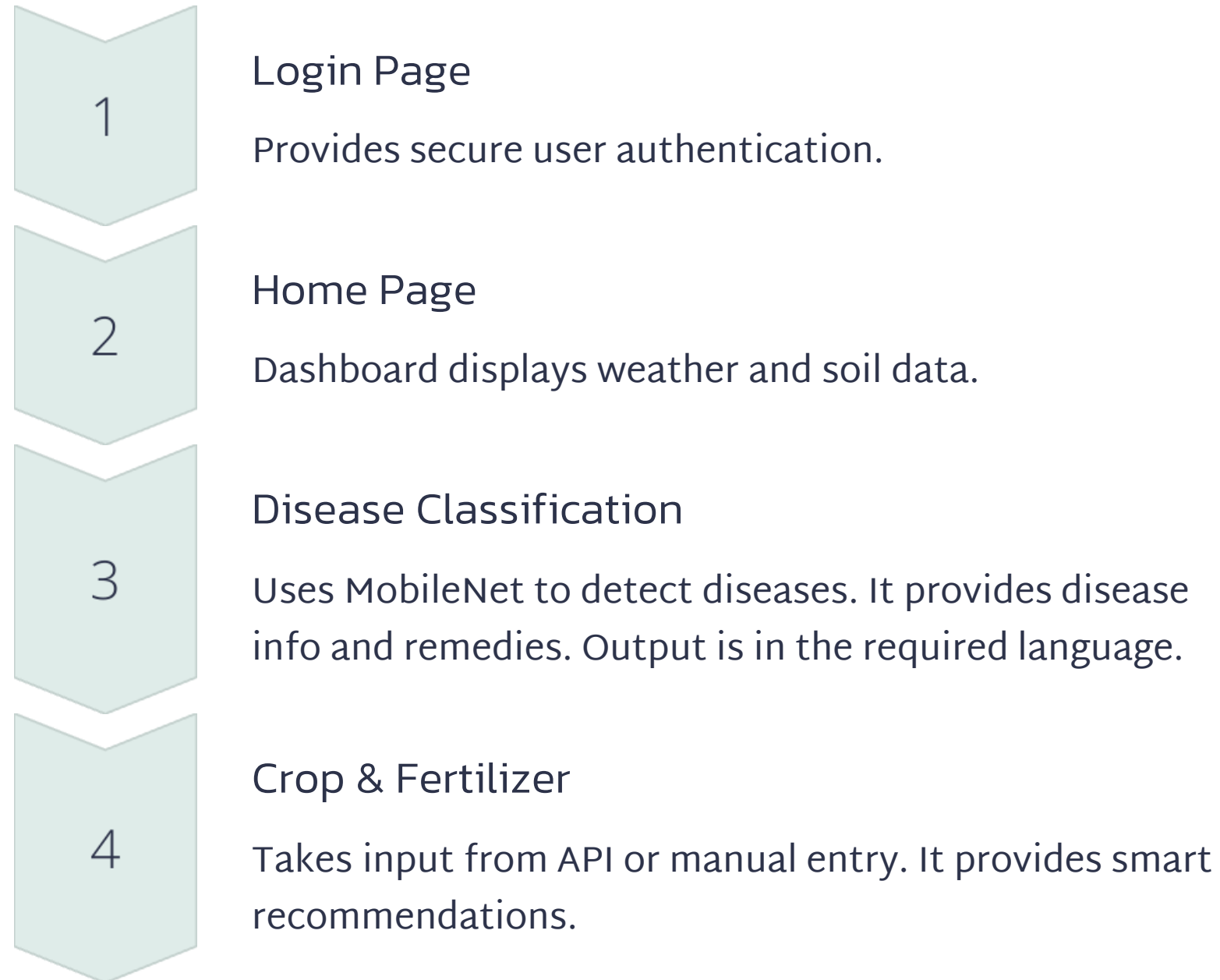
Analyzes soil features (N, K, P, pH). It checks weather conditions. Then it recommends crops.

Cloud & API

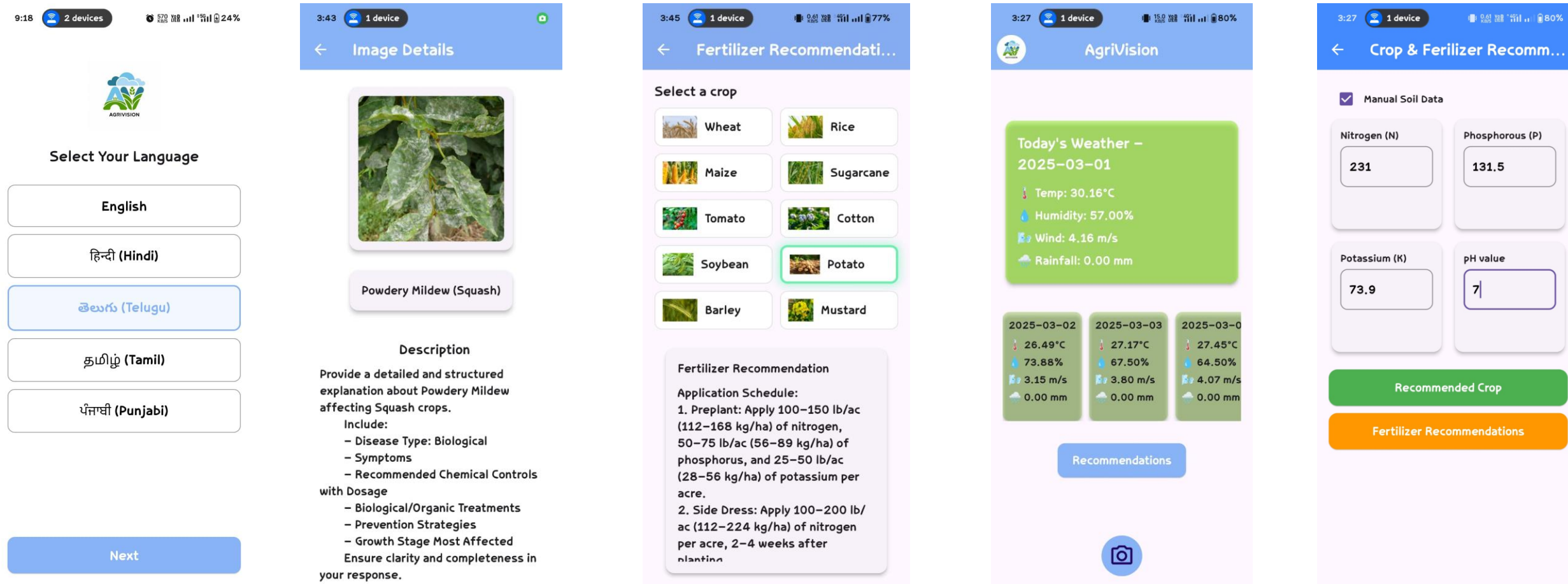
Google Cloud provides cloud storage. Cloud Translation API translates. Soilgrids API collects soil data. Agromonitoring and OpenWeatherMap offer weather data.



AgriVision App Flow



AgriVision App Interface



The AgriVision app offers an intuitive interface. Farmers can easily access key data. They can use powerful AI features. They can improve crop management.