Ctrl Alt Elite

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Irrigation Dashboard Workflow

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Input Datasets
TAPS Irrigation Management
TAPS Soil Texture
TAPS Shallow Soil Sample
Weather API

Processing
Clean Data
↓
Create Dictionary with Farm ID and sensor values

Data Flow
User chooses plot and week
↓
Algorithm Based Optimization
↓
AI Data Visualization

Output
Optimal Irrigation
Cost Optimization
Plot Data

Tech Stack
Python
Node.js
React.js
Chart.js
Axios