Ctrl Alt Elite

Kevin Roy – Computer Science
Braden Adams – Computer Science
Aayush Rai – Computer Science & Math

Irrigation Dashboard Workflow

Input Datasets	Processing	Data Flow	Output	Tech Stack
TAPS Irrigation Management	Clean Data	User chooses plot and week	Optimal Irrigation	Python
Weather API	↓	↓	Cost Optimization	Node.js
TAPS Shallow Soil Sample	Create Dictionary with Farm ID and sensor values	Algorithm Based Optimization	Plot Data	React.js
TAPS Soil Texture		↓		Chart.js
		AI Data Visualization		Axios