

Presentation Layer

Interactive Dashboard

Conversational Agent UI

Visualization Gallery

Dash framework + React + Plotly.js

Application Layer

LLM-Powered Agent Engine

Profile Manager

Memory Store

Planning Engine

Tools Executor

Drift Management Modules

Detect Module

Explain Module

Adapt Module

Flask + Dash Backend

Infrastructure Layer

PostgreSQL Database

User Session Store

File System (Datasets)

External API