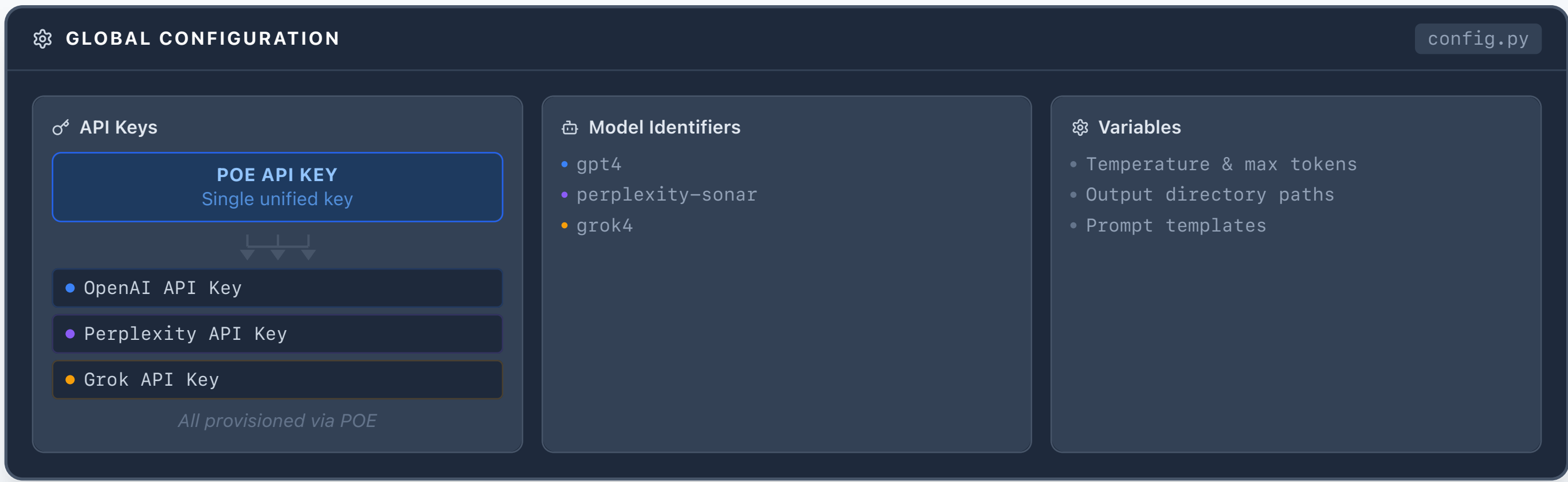


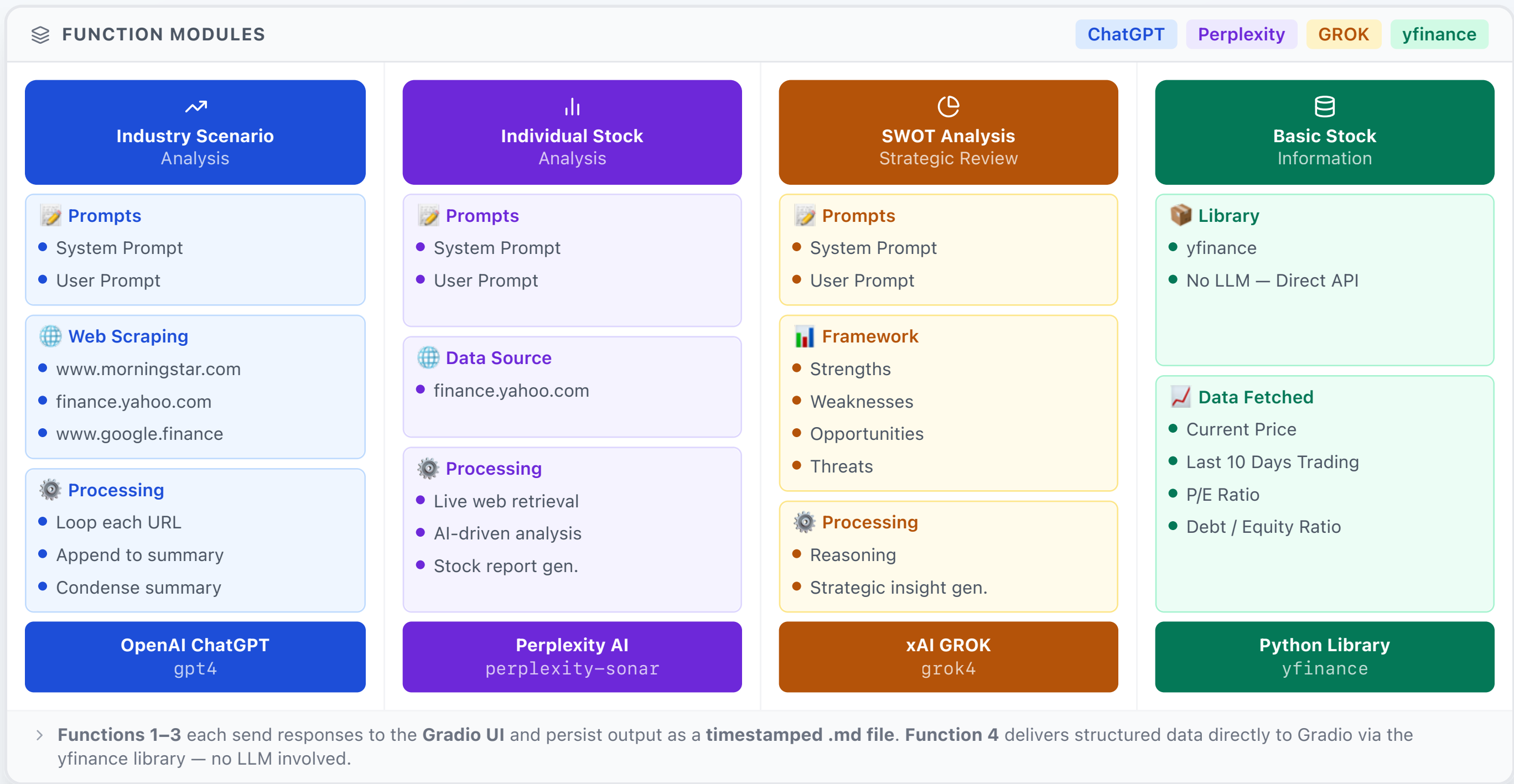
Financial Intelligence Platform

Multi-Model AI Analysis Pipeline · Case Study — Approach Section

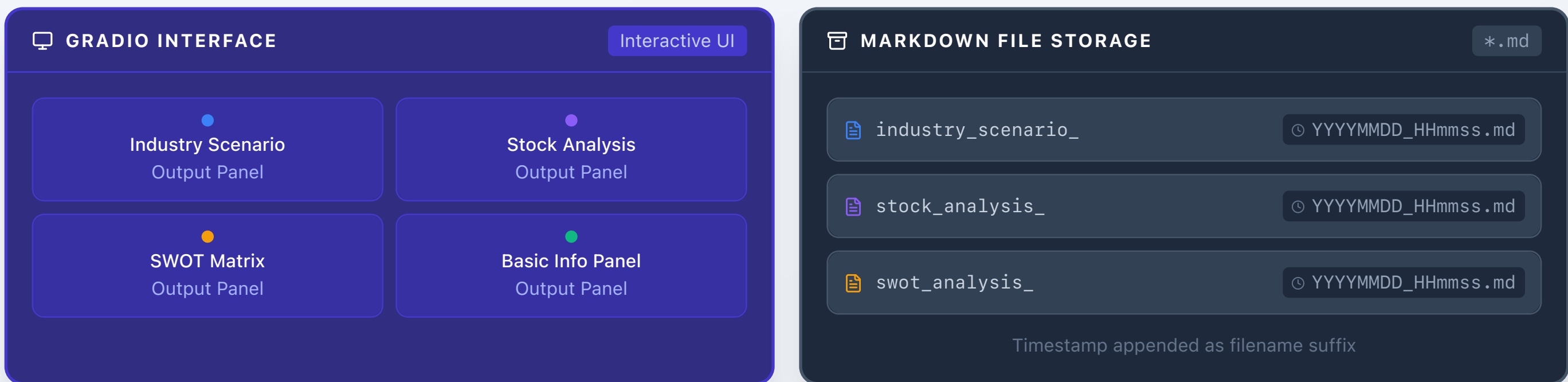
LAYER 1 — CONFIGURATION & INITIALISATION



LAYER 2 — CORE PYTHON FUNCTION MODULES



LAYER 3 — OUTPUT & PERSISTENCE



LEGEND — AI MODELS & LIBRARIES DEMONSTRATED

- OpenAI ChatGPT (gpt4)**
Industry Scenario — multi-source web scraping & summarisation
- xAI GROK (grok4)**
SWOT Analysis — strategic reasoning & insight generation

- Perplexity AI (perplexity-sonar)**
Individual Stock — live web retrieval & AI analysis
- yfinance (Python Library)**
Basic Stock Info — direct data pull, no LLM dependency