

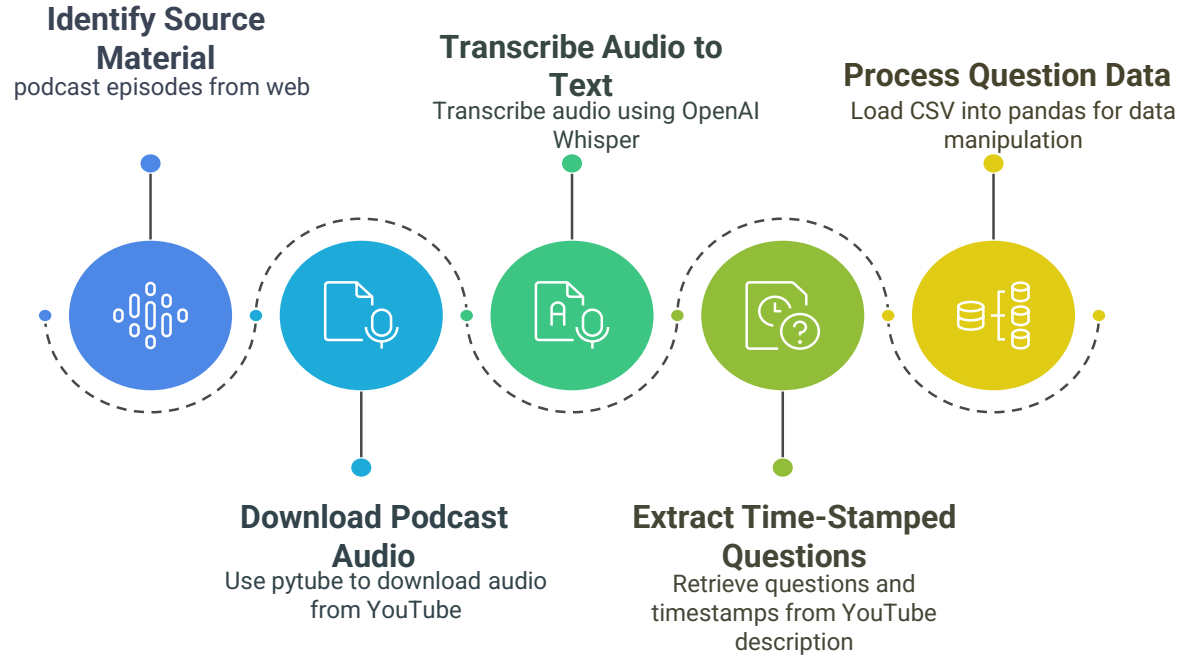


Financial Advisor Chatbot

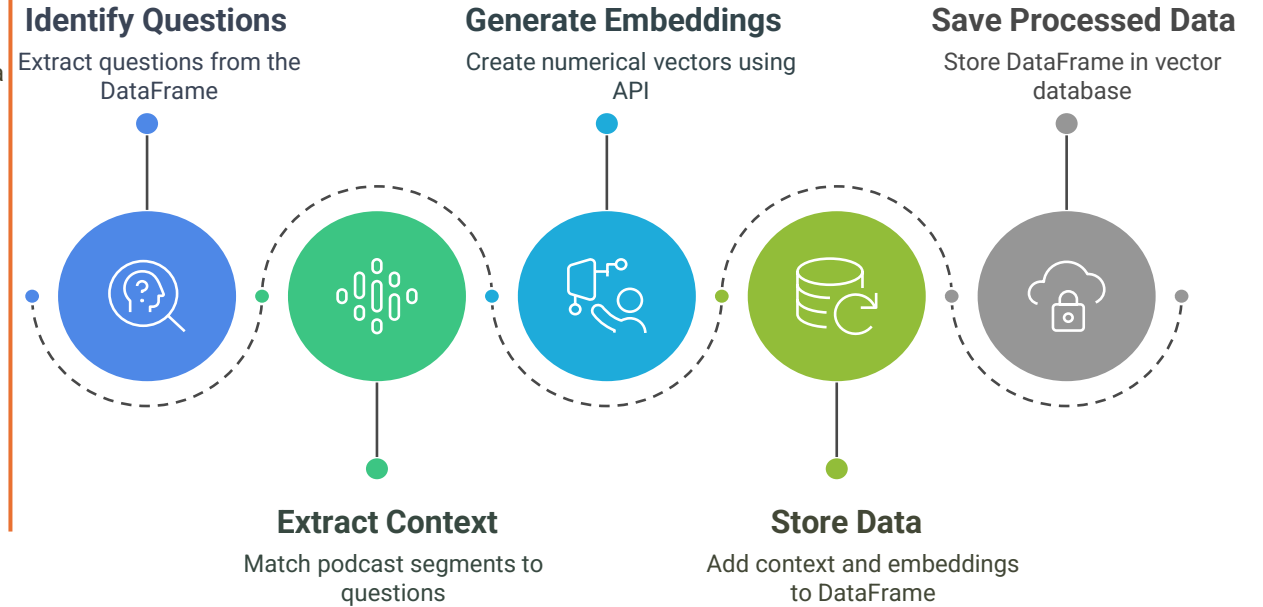


Development Phases of Financial Advisor

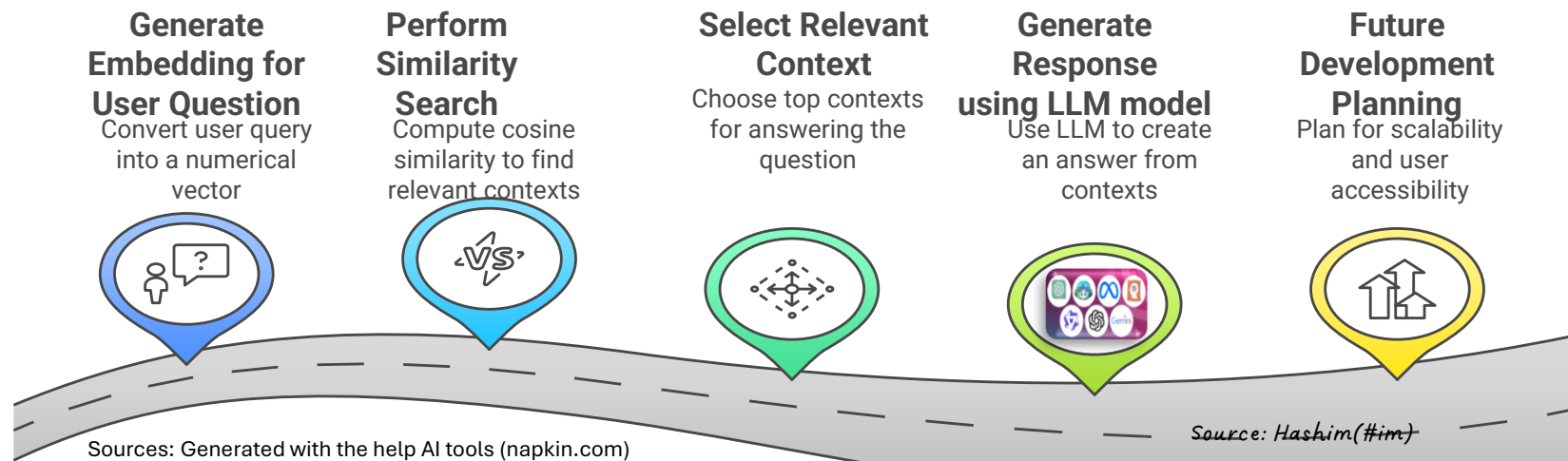
Data Acquisition and Preparation from Podcast Phase 1



Podcast Transcript Embedding Process Phase 2



Question-Answering System Implementation Phase 3

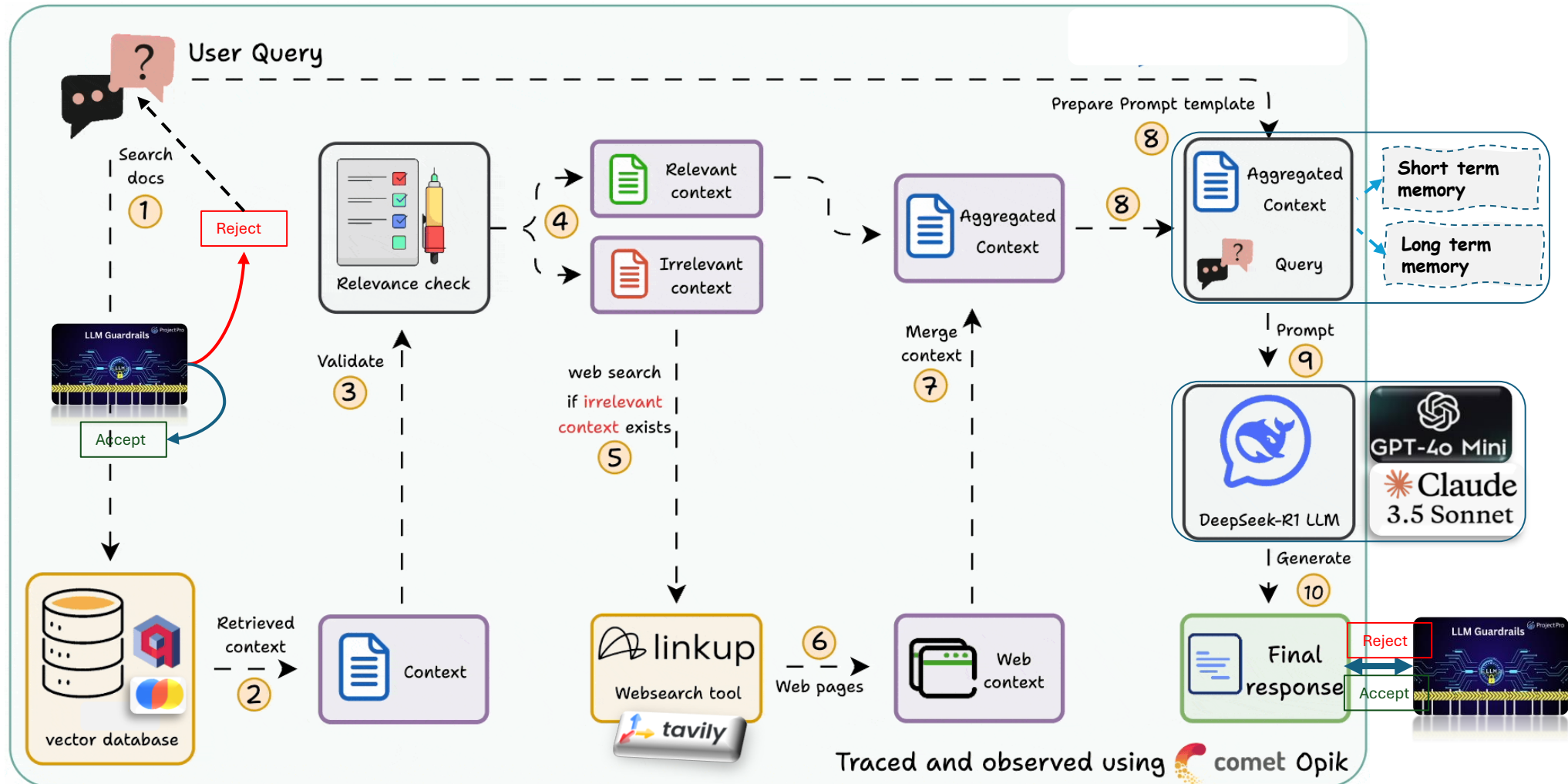


Sources: Generated with the help AI tools (napkin.com)

Source: Hashim(#im)

Business Problem Statement:
Need for a **customizable, intelligent question-answering system** that can leverage up-to-date information sources, retrieve relevant insights efficiently, handle sensitive data with control, and deliver responses that reflect expert-level communication—ultimately enhancing client trust and decision-making.

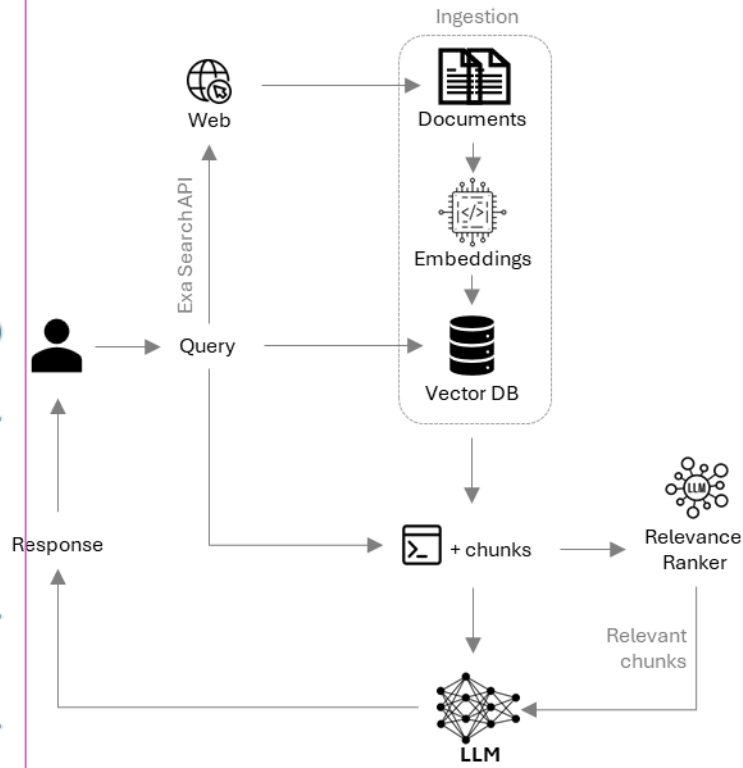
Corrective RAG - Agentic Framework



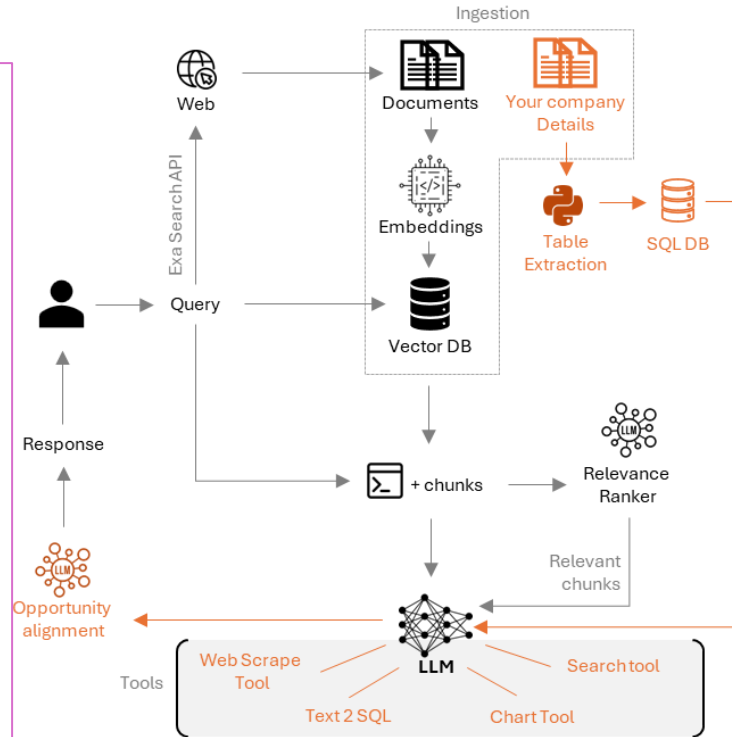
Sources: Images taken from DailyDoseOfDS.com, Projectpro.com And modified

Agentic Framework

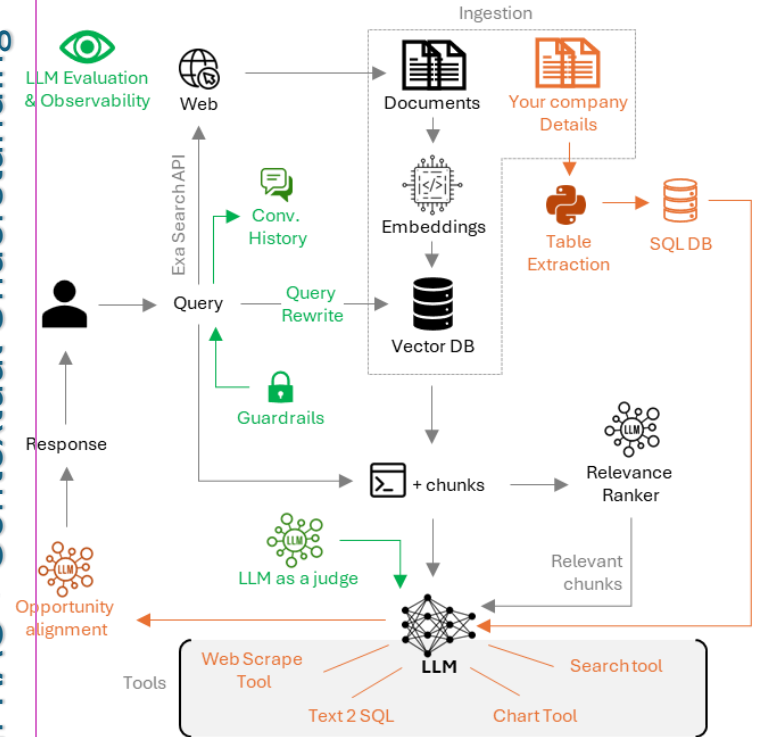
KBase prompt + Prompting+ Corrective RAG



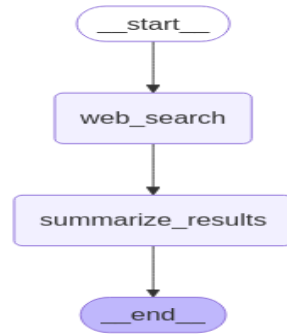
Agentic RAG + Hybrid Retrieval



Modular RAG + Contextual Understanding

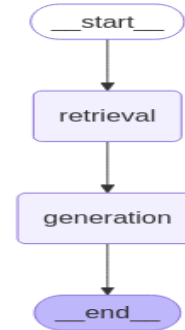


Web search, RAG, Web search + RAG (using langgraph)

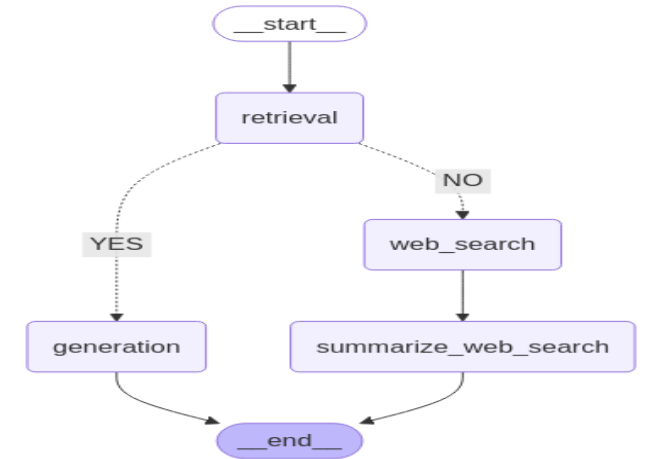


Web search
(external sources)

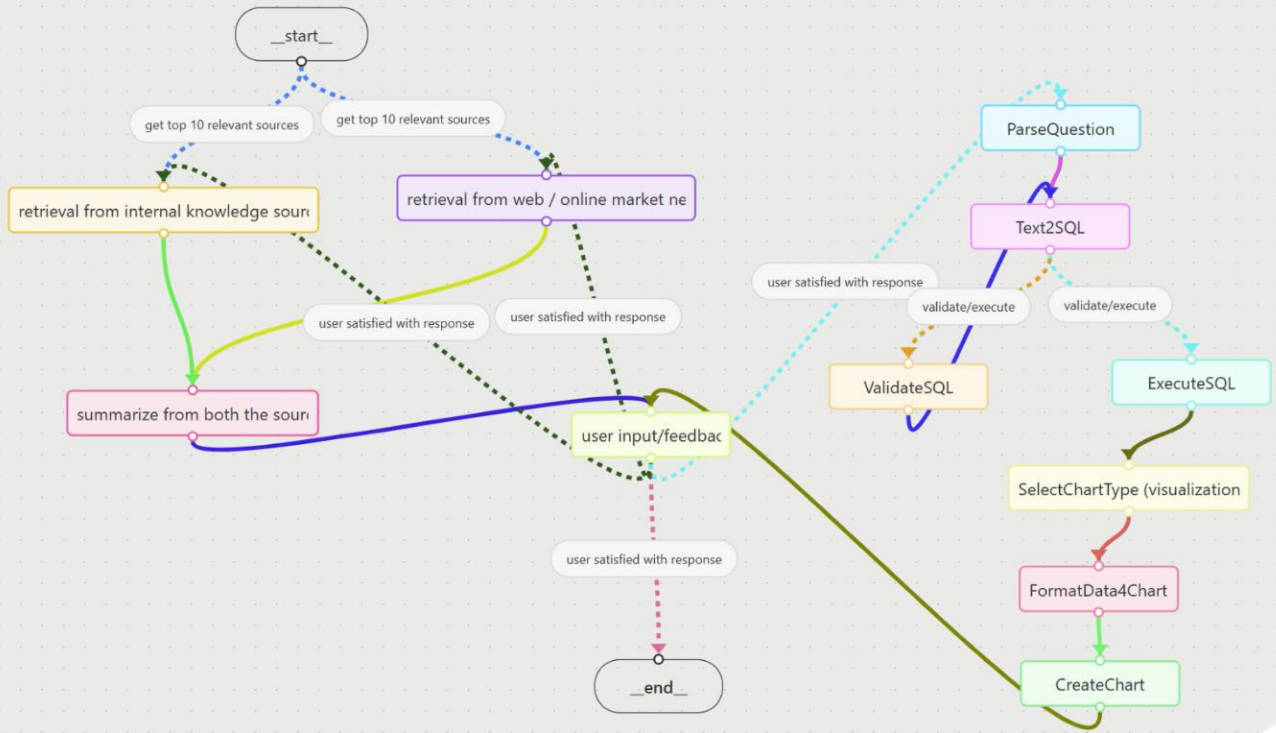
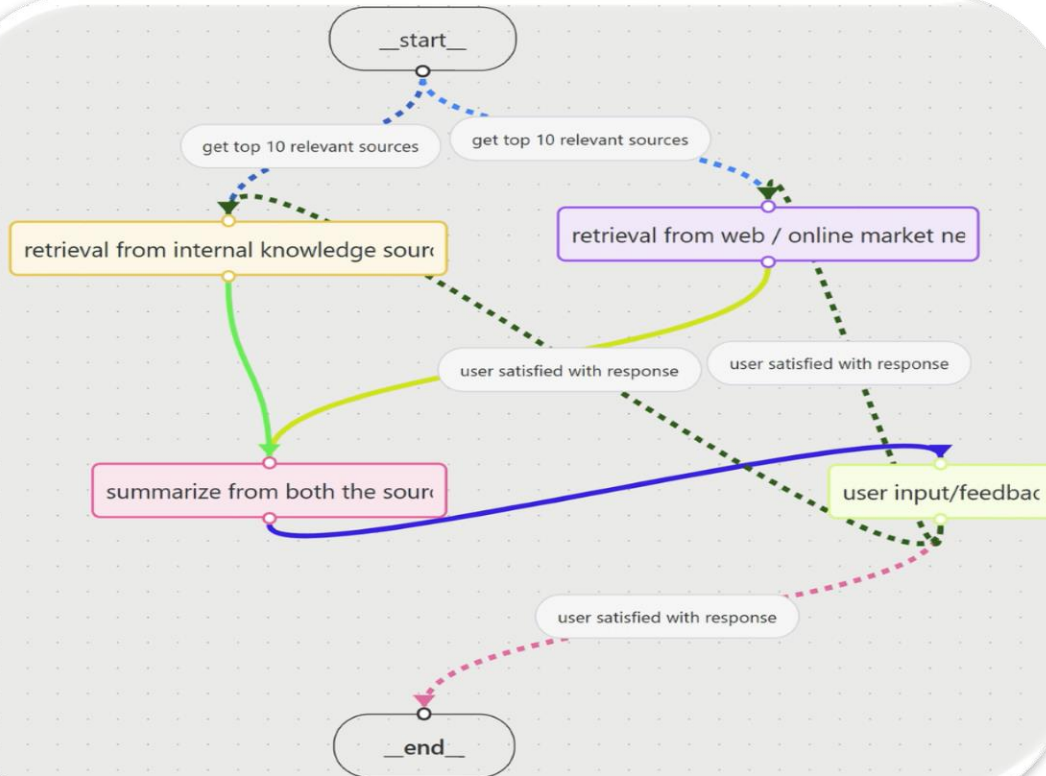
langgraph



RAG
(internal sources)



RAG + Web search



Source: Hashim(#im)

Major problems with Financial Advisor Chatbot

How to address the limitations of
general-purpose language models?

Use Python and OpenAI Embeddings

Enables customization and
control over information and
context

Control Context

Ensures model answers are
based on specific, relevant
data

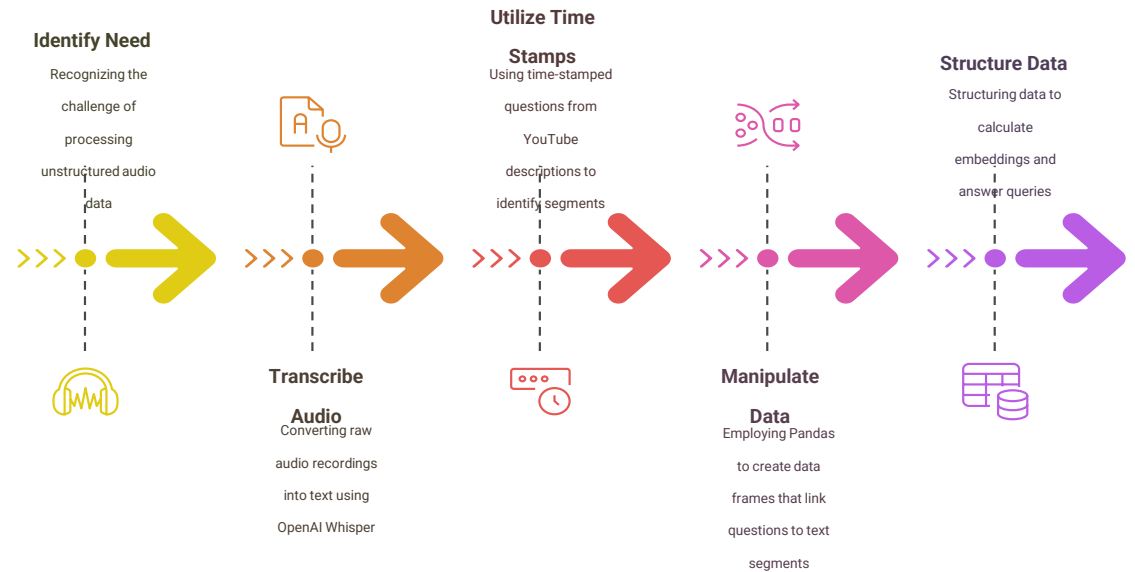
Feed Recent Information

Keeps the model updated
with current events

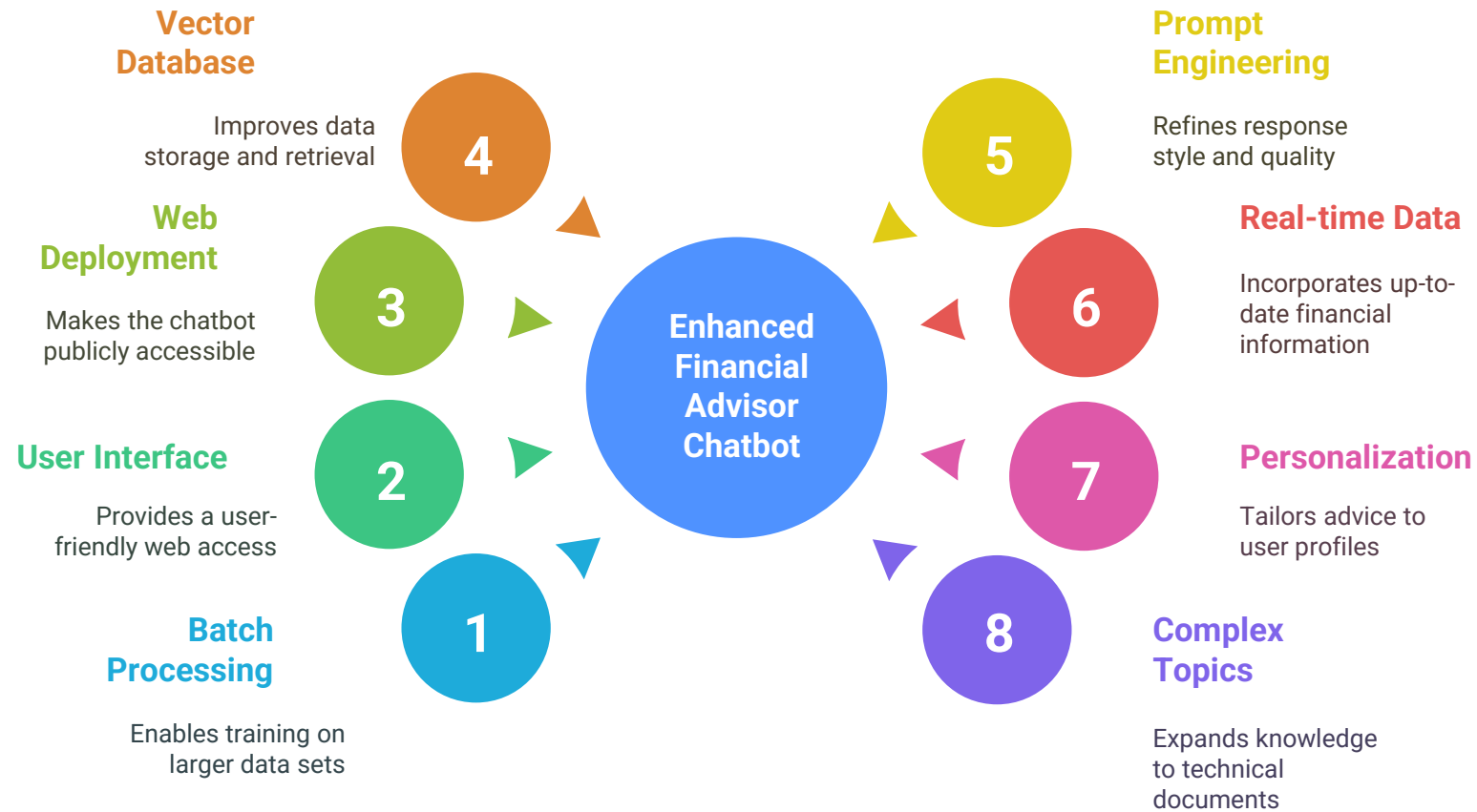
Utilize Private Data

Allows training on internal,
non-public information

Structuring Unstructured Audio Data



Enhancements for Financial Advisor Chatbot





Thank you