

Langchain

APP

ChatOpenAI

ChatOllama

ChatGoogle
GenerativeAI

Input

API

Output

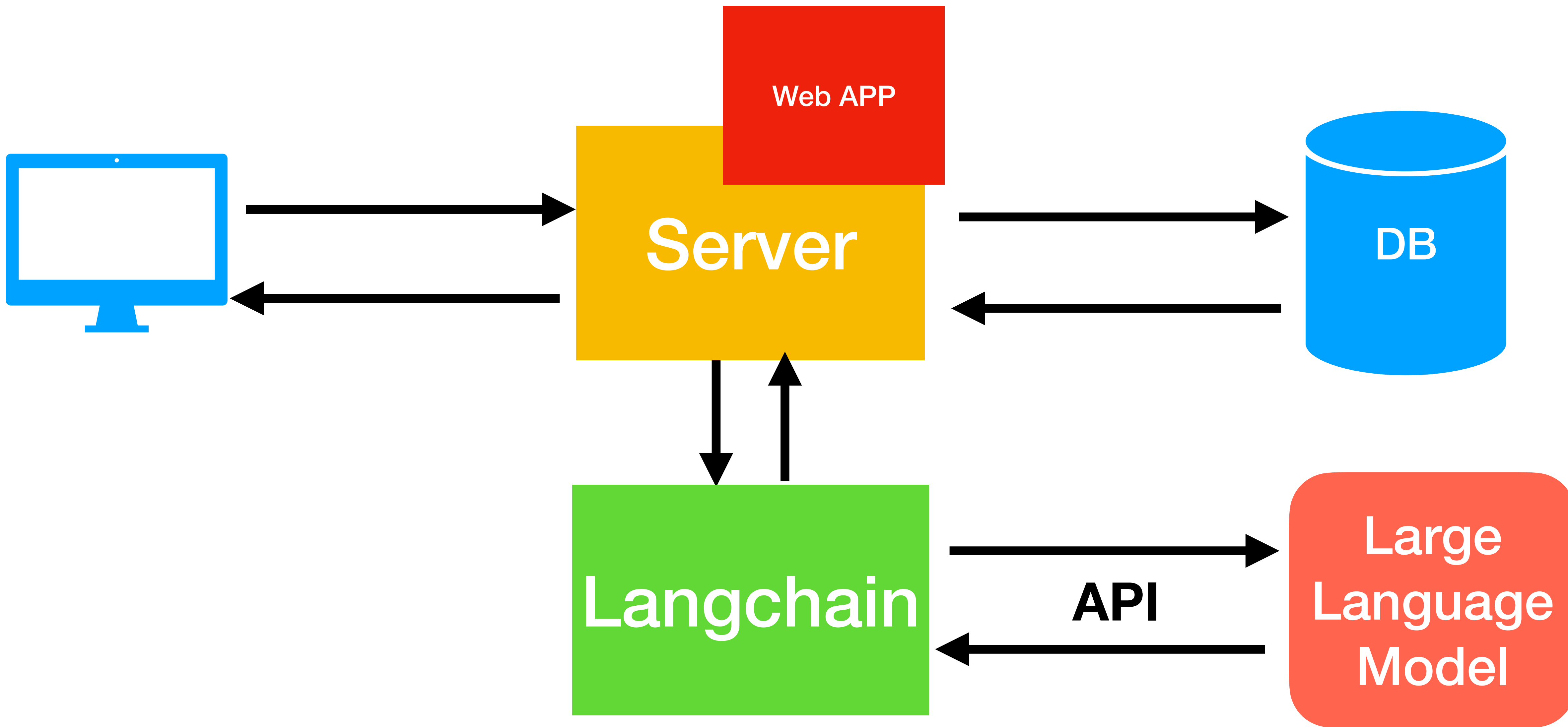
Large
Language
Model

GPT

GEMINI

LLAMA

MISTRAL



LLM



Large
Language
Model

Prompt

What is Machine Learning

Questions

Marketing Campaigns

Summarising Text

Assistance

Input



Output

Large
Language
Model

GPT
GEMINI

LLAMA
MISTRAL

Images

Videos

Multi Modal

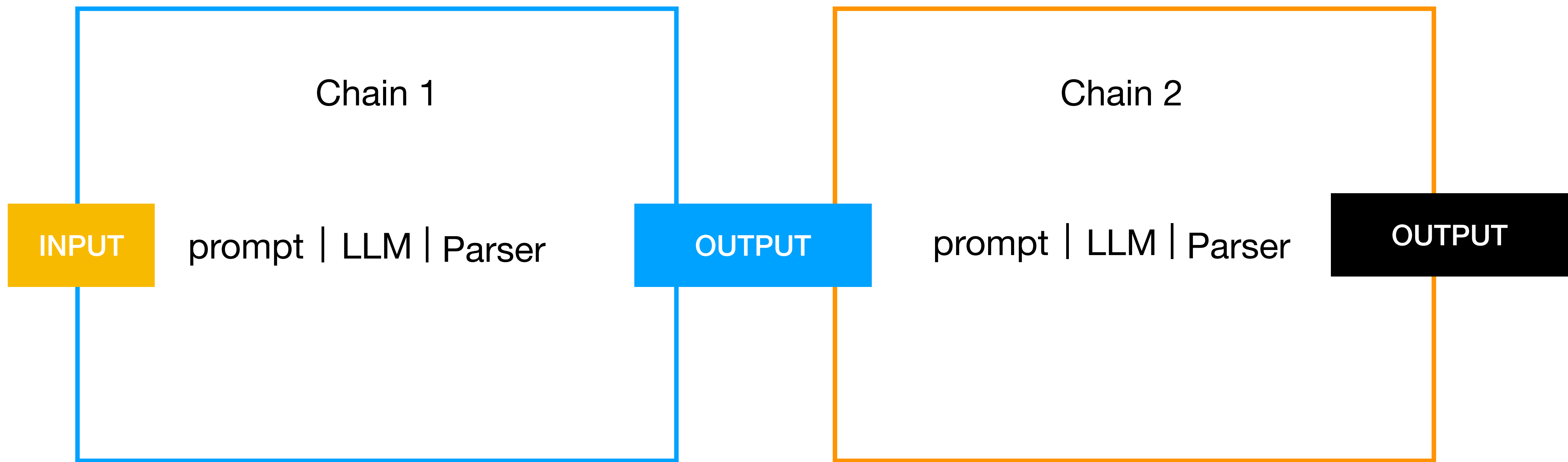
Streamlit

PromptTemplate

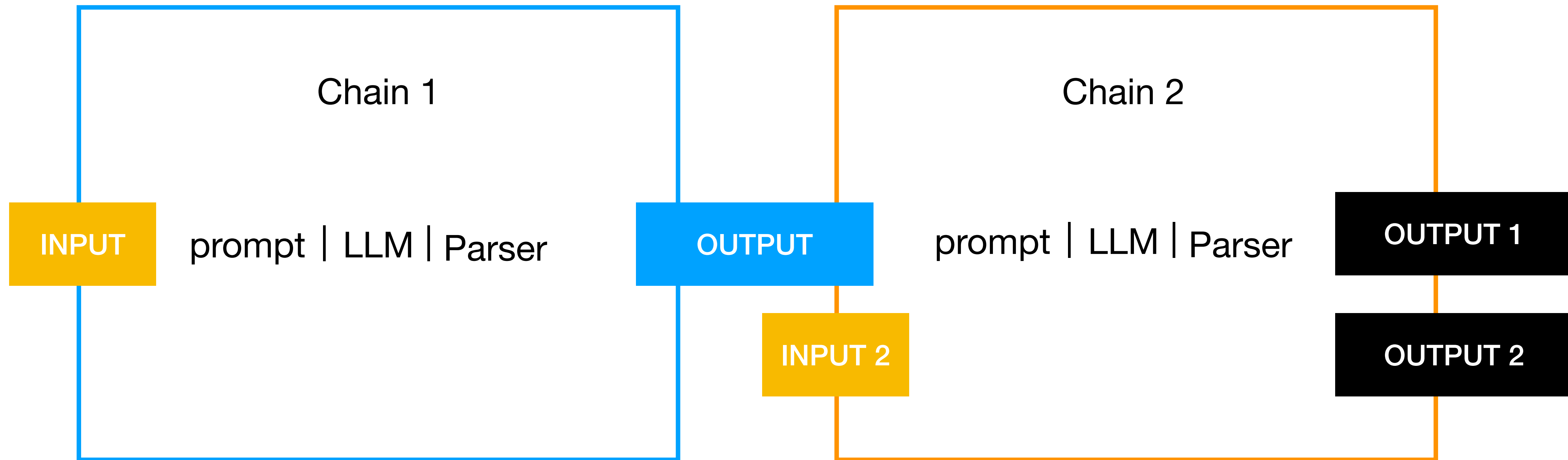
Chains

prompt | LLM

Simple Sequential Chain

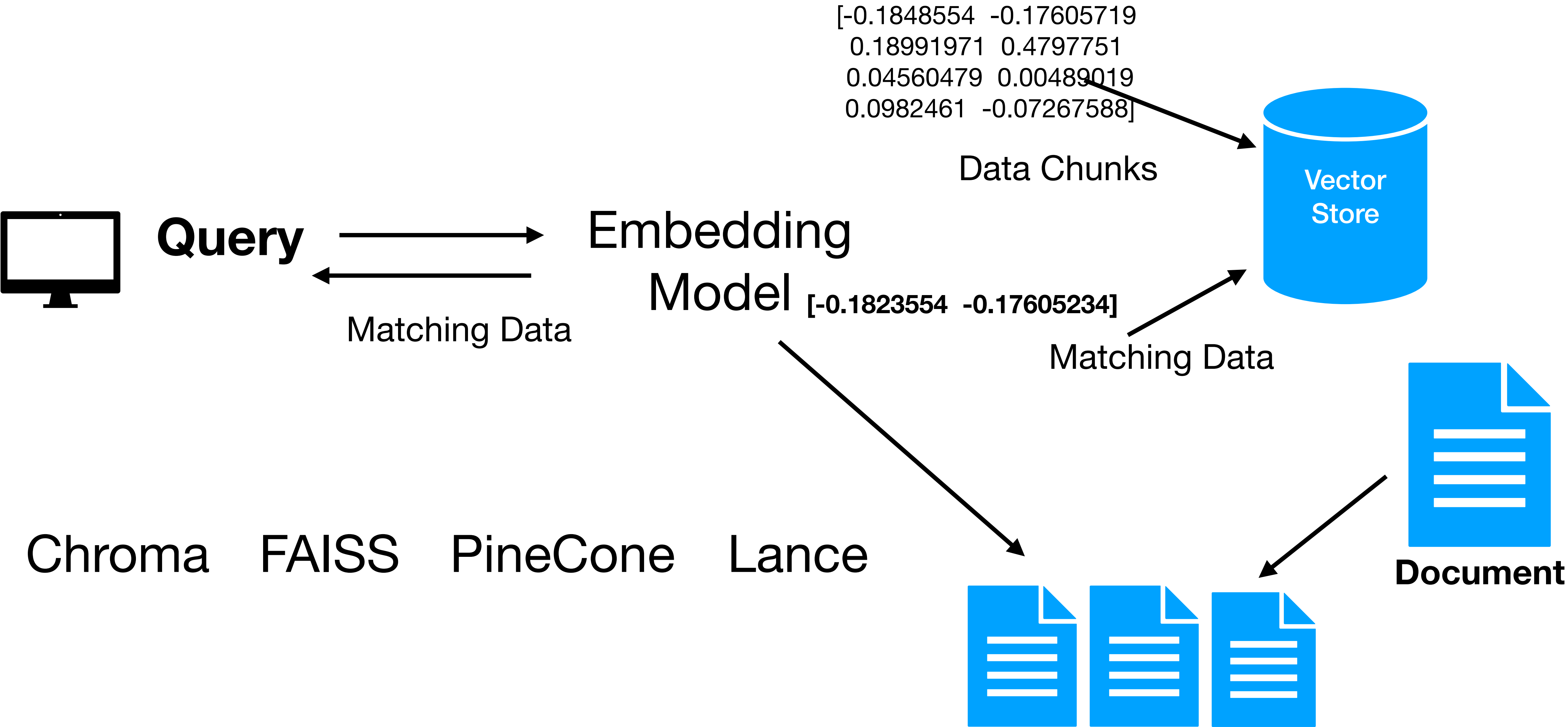


Sequential Chain



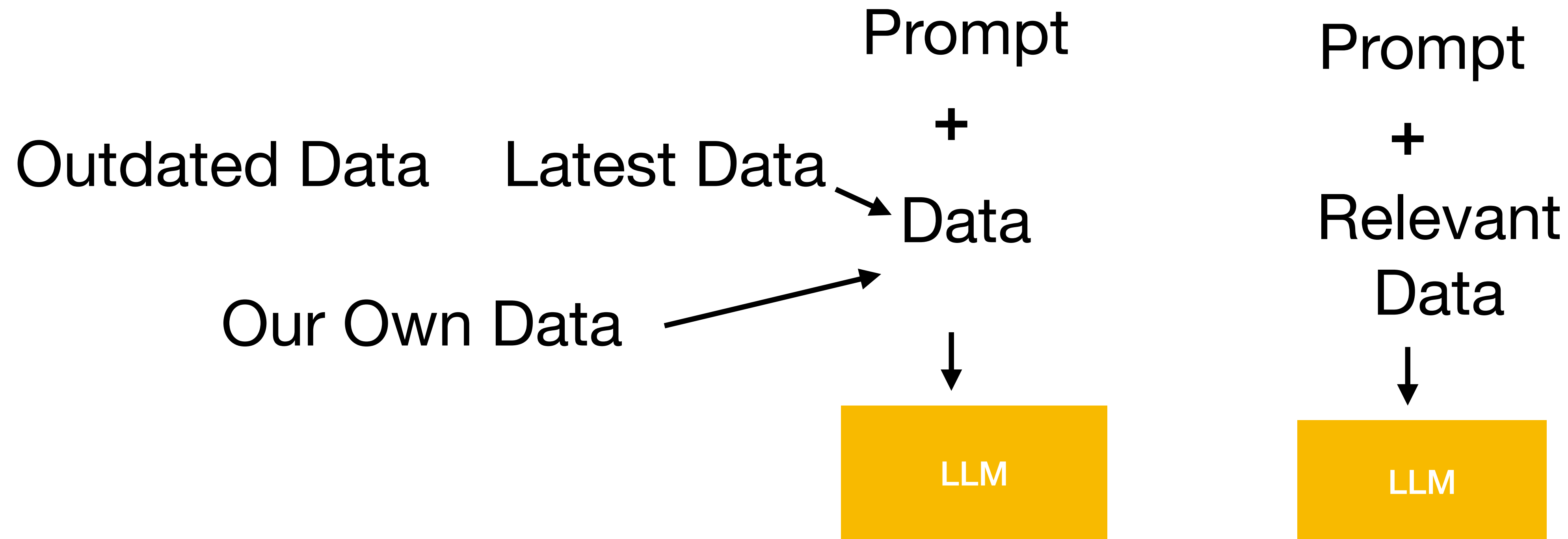
Chat History

Using Vector Database

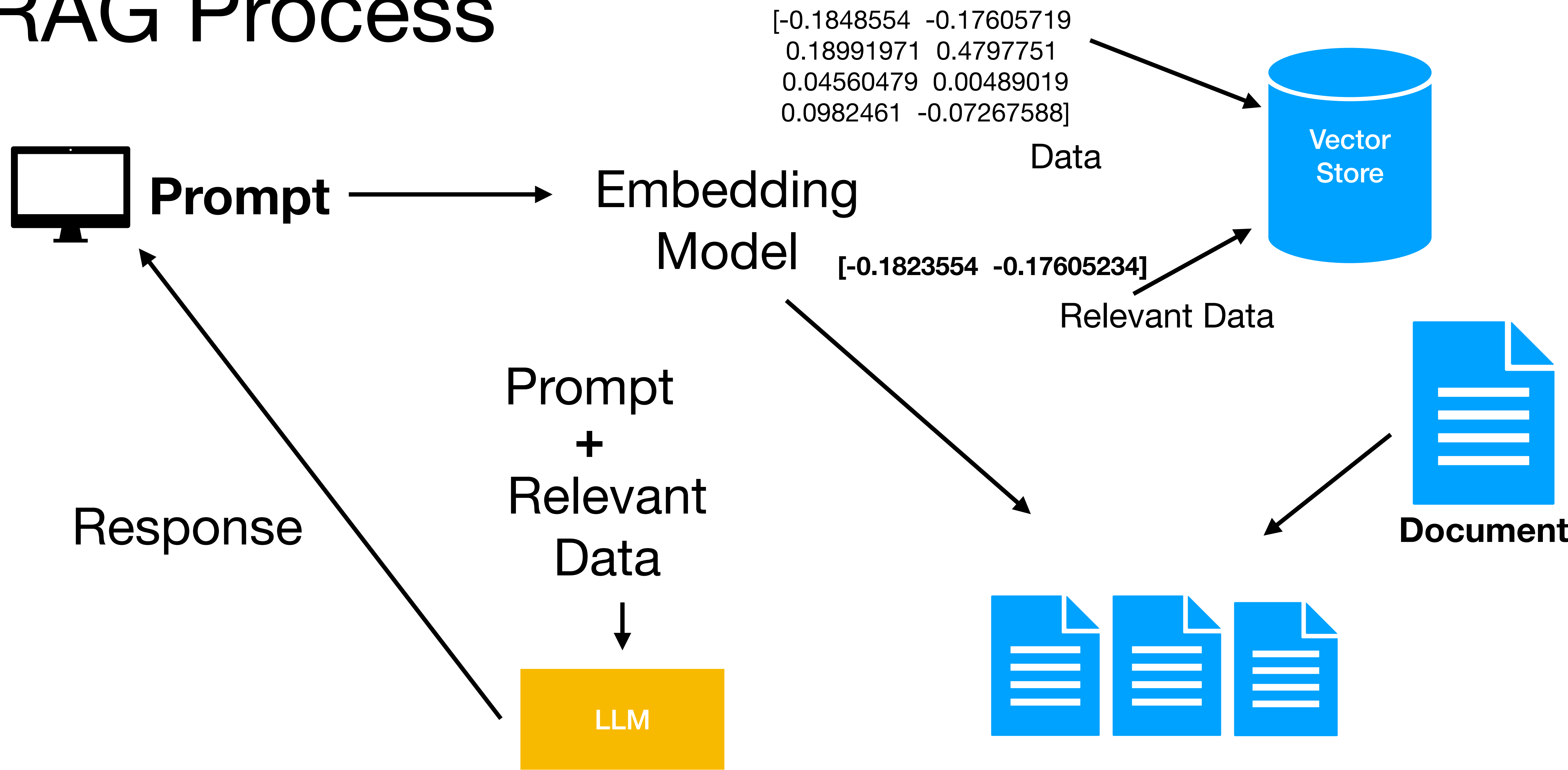


RAG

Retrieval Augmented Generation



RAG Process



Other LLMs

Google Gemini

Open Source

Llama

3.1 8B

2 7B

Gemma

2B

3B

Mistral

7B

7B

13B

33B

8GB

16GB

32GB

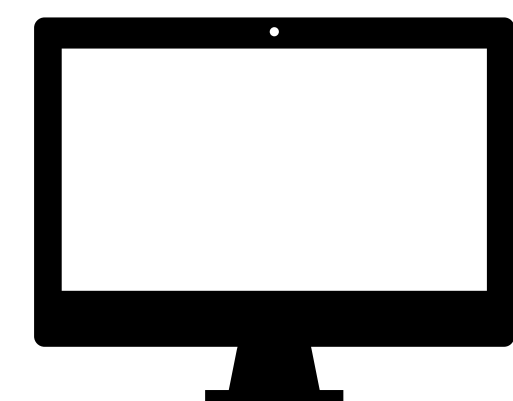
Deploy

Update the code

requirements.txt

Push to github

Deploy using StreamLit Cloud



User

Input

Agent

Tools

Prompt

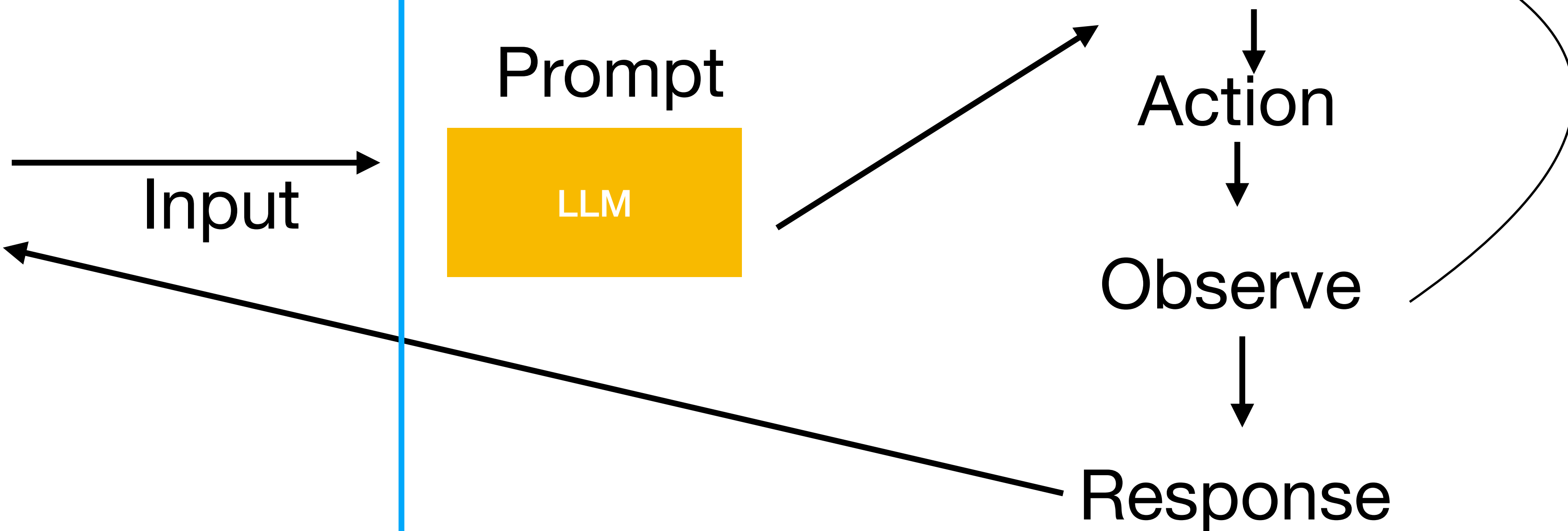
LLM

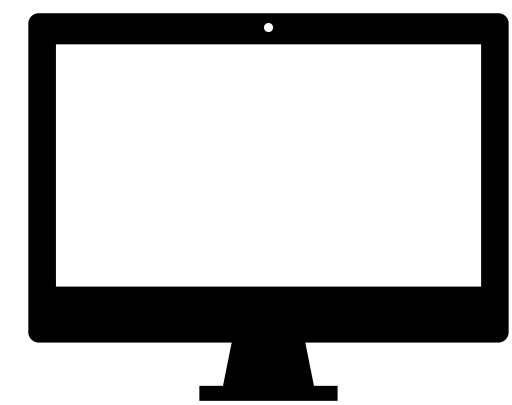
Reasoning

Action

Observe

Response





User



Task

Agent

Prompt

LLM

Tools

Search
Wikipedia

Reasoning

Action

Observe

Response

Wikipedia

