

- ① RAI
- ② Fine tuning
- ③ Langchain Advance (Langserve, Langsmith)
- ④ Llama-index
- ⑤ Project

③ Real time usecase

RAI

- ① RAI Architecture
- ② Pipeline
- ③ Evaluate

- individual
- complete

④ RAI v/s Fine tune

⑤ Langchain

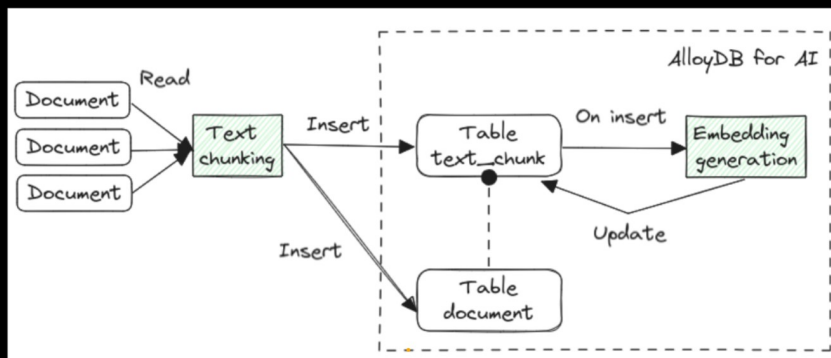
⑥ Llama index

⑦ vector / NoSQL (DB)

- RAI Architecture
- Pipeline
- RAI from scratch
- RAI with Langchain

RAG Architecture

- 1 Ingestion
- 2 Retrieval
- 3 Generation



Ingestion ⇒

Data

Transformation

DB

⇒ Image/text
Both

Embedding

Storing | Indexing |
Searching

{ GPT4, LLaMA, Gemini }

{ multimodal RAG }

Retrieval

Query



Data

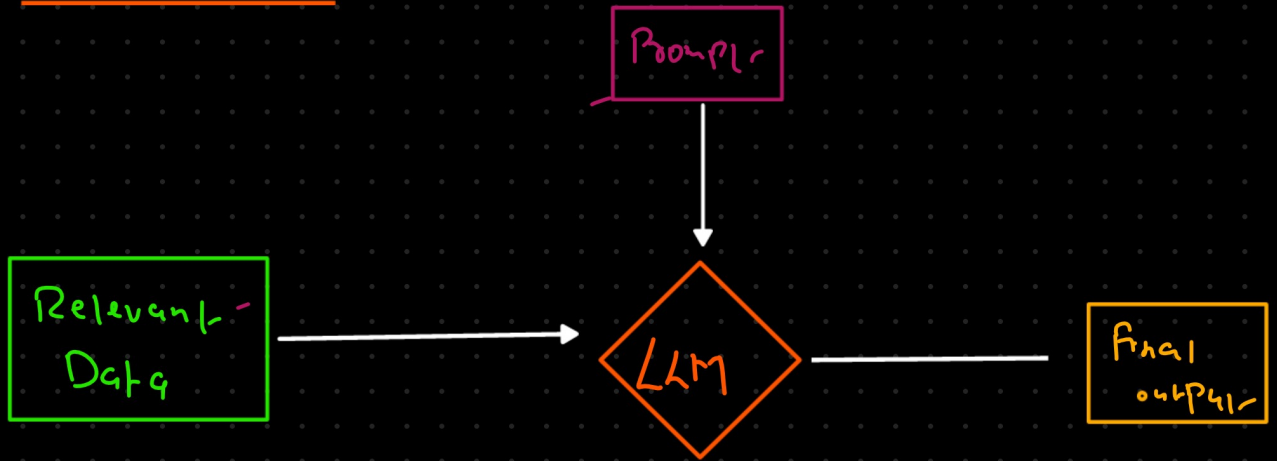
(Indexing)

(Similarity score)

Ranking

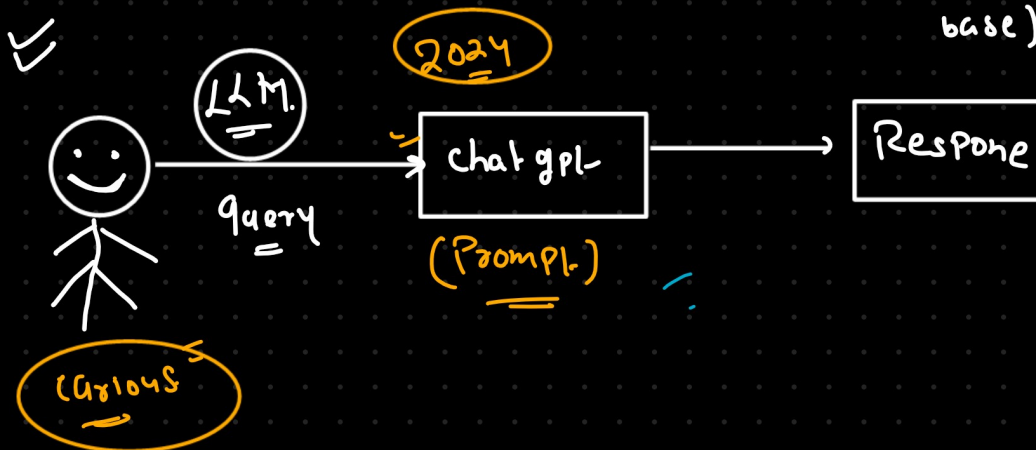
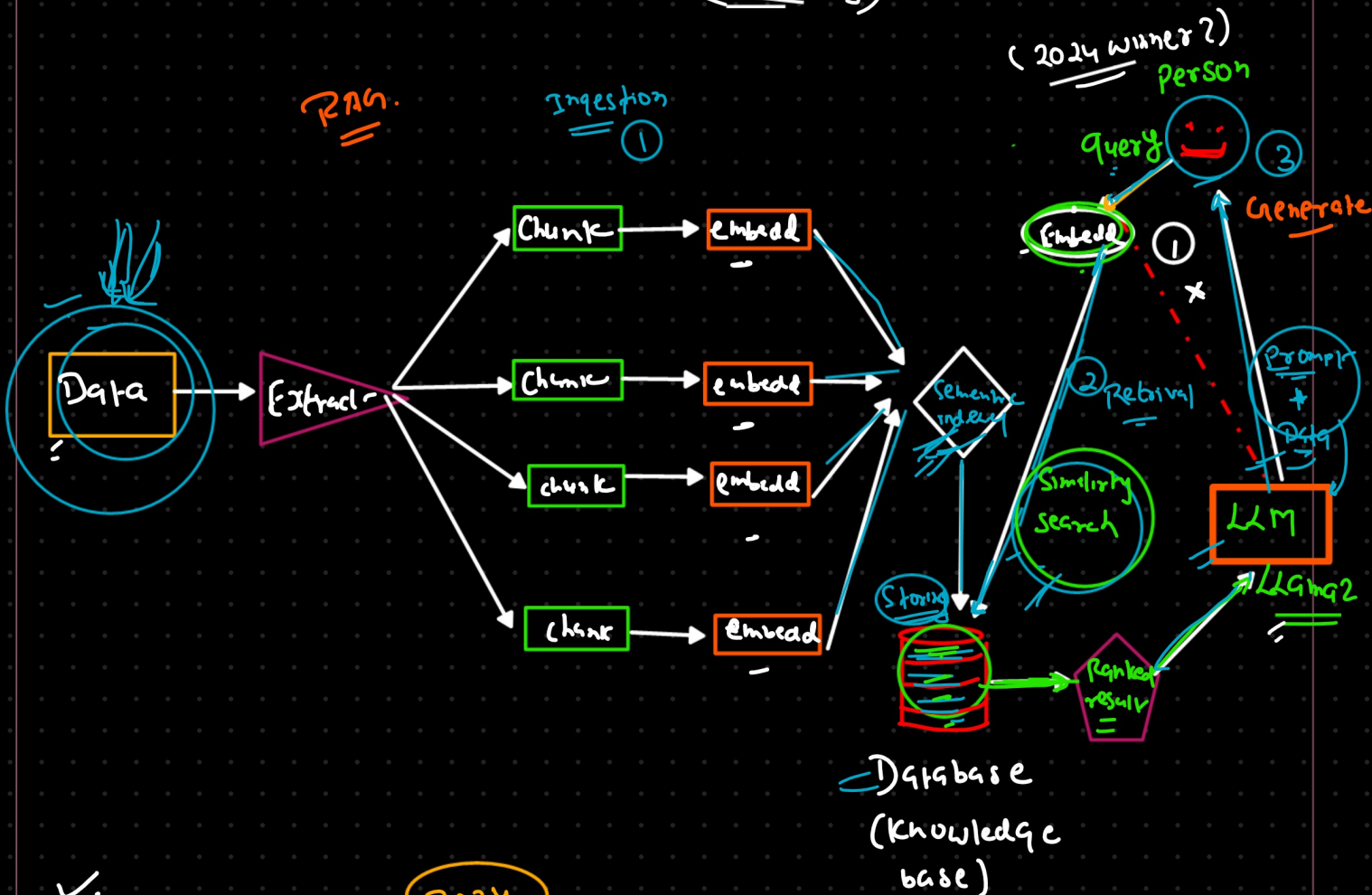
Relevant Data

Generation



(Augment)

(Generating)



1 Finetuning

2 3rd Party Agents

3 Rh4