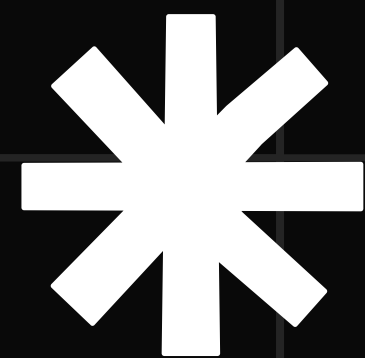# Velov-agent POC

Presented by **Amgad KHALIL**
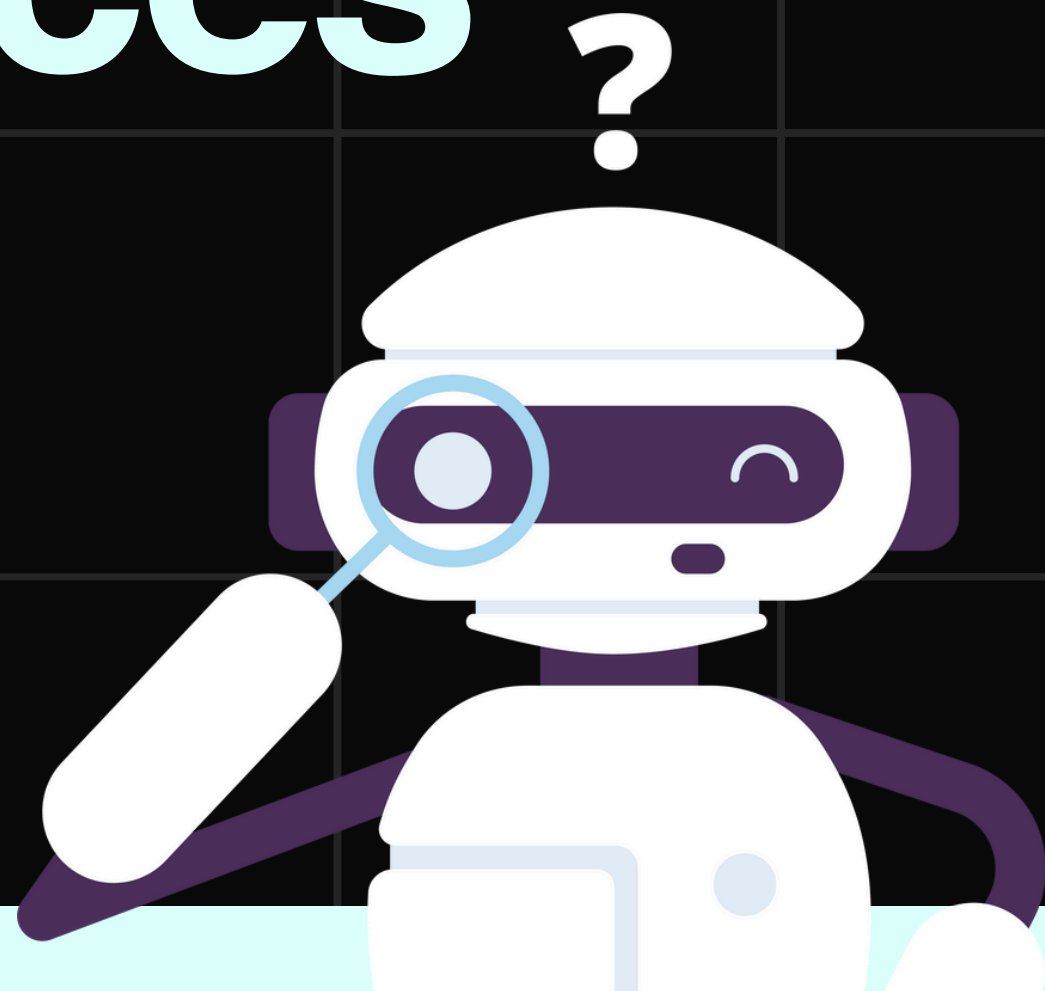
Building a chatbot to assist
Vélo'v users with subscription
info & bike availability.

✳✳ Data Sources

abonnements(.md)

Subscription Details

Stations (.csv)

Vélo'v stations bike availability

Frameworks & Tools

Mistral AI API

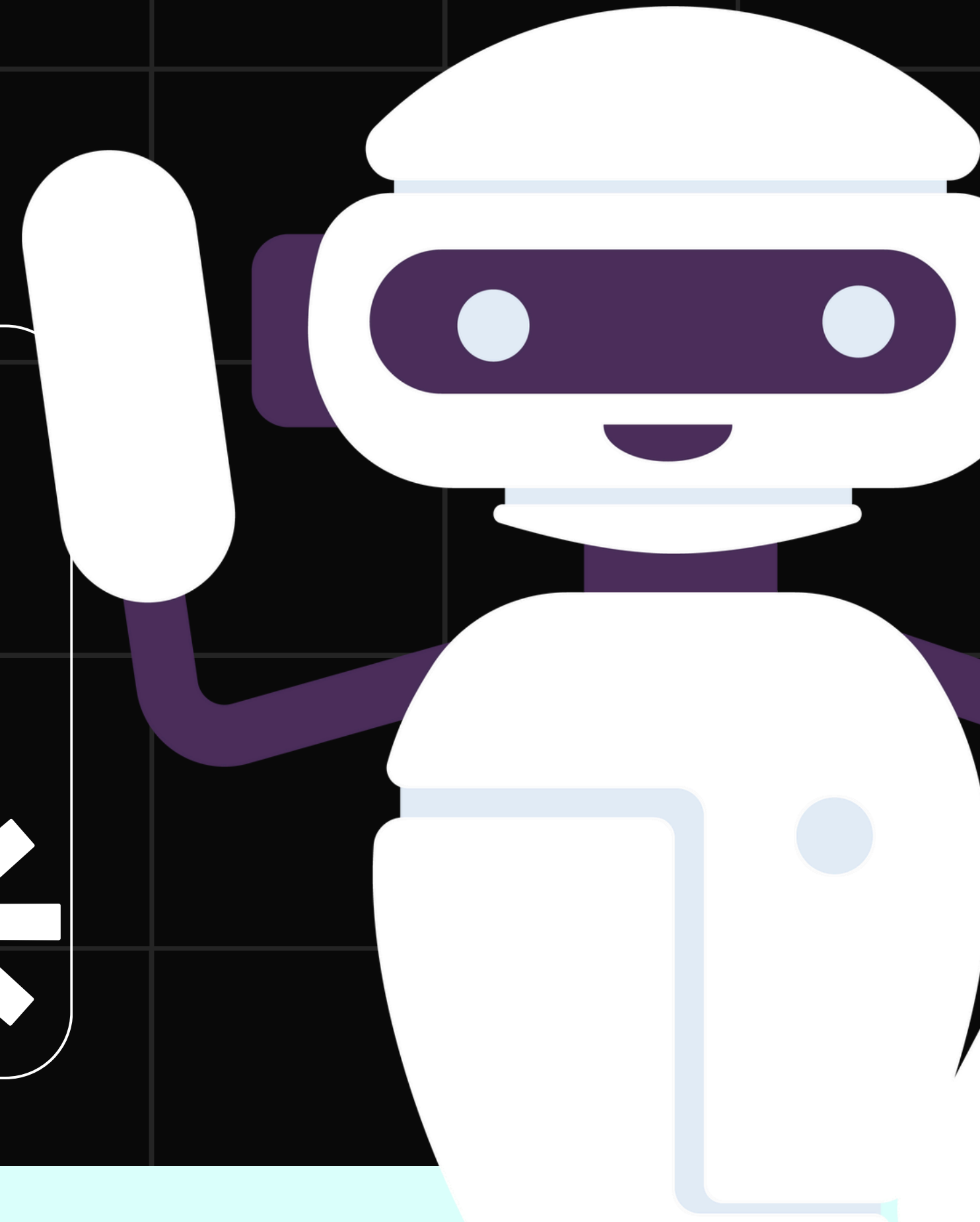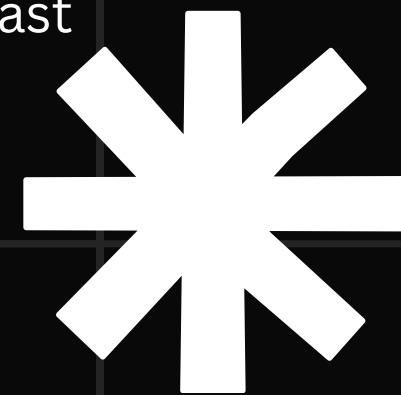LLM for text processing and generation

Hugging Face

Embeddings

LangChain

Manages retrieval-augmented generation (RAG)
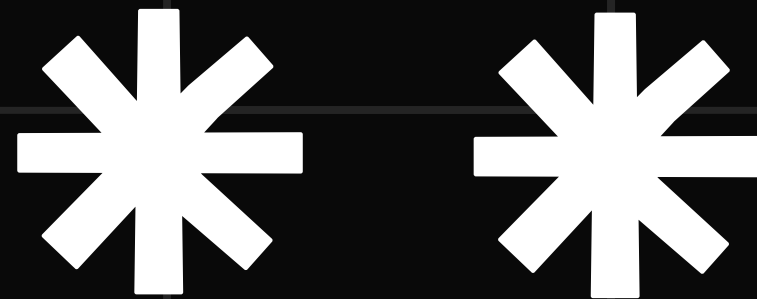
FAISS

Vector database for fast retrieval
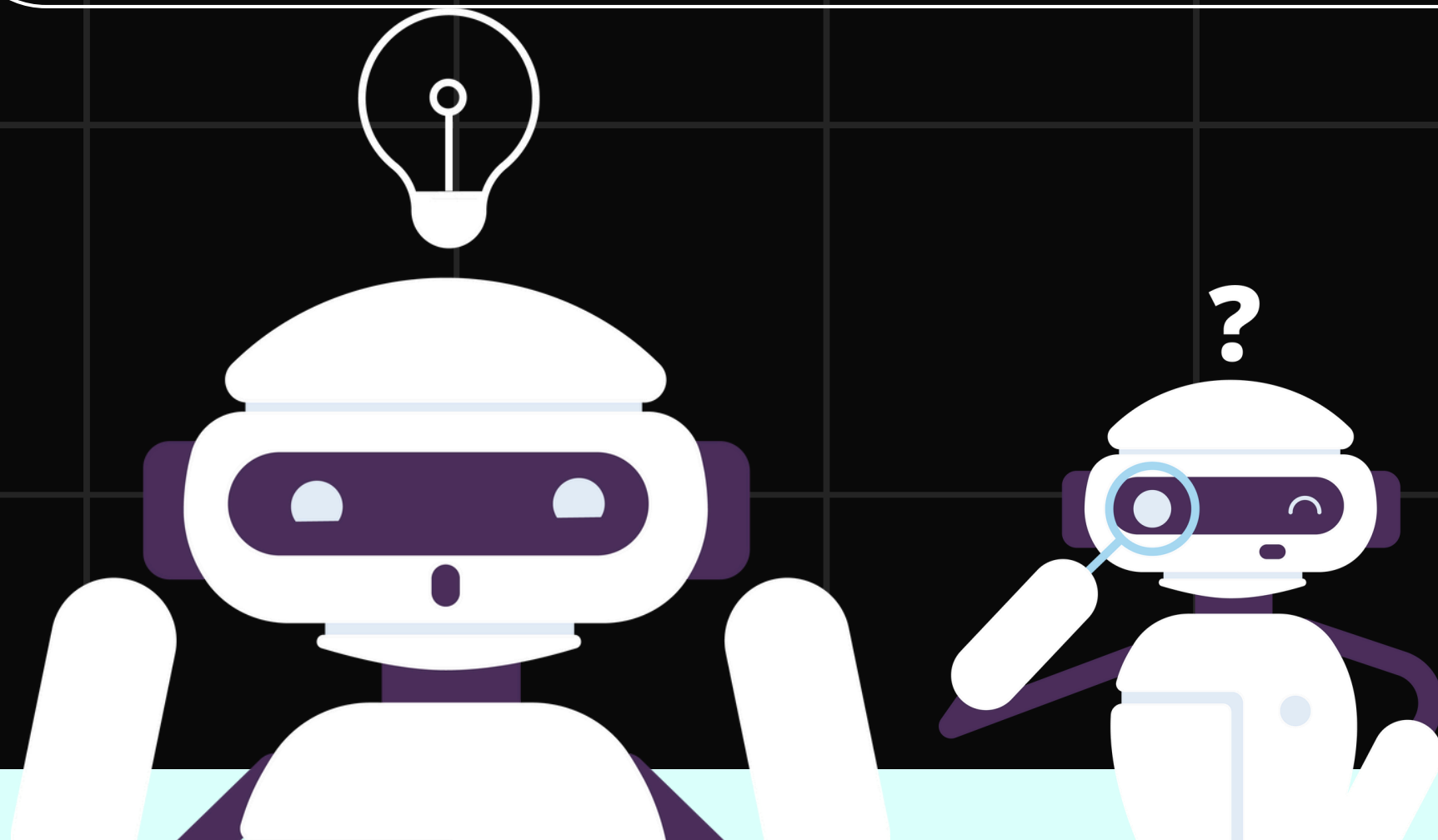
Aggregation Queries

Struggles to answer aggregation questions regarding the stations

Limited Knowledge Base
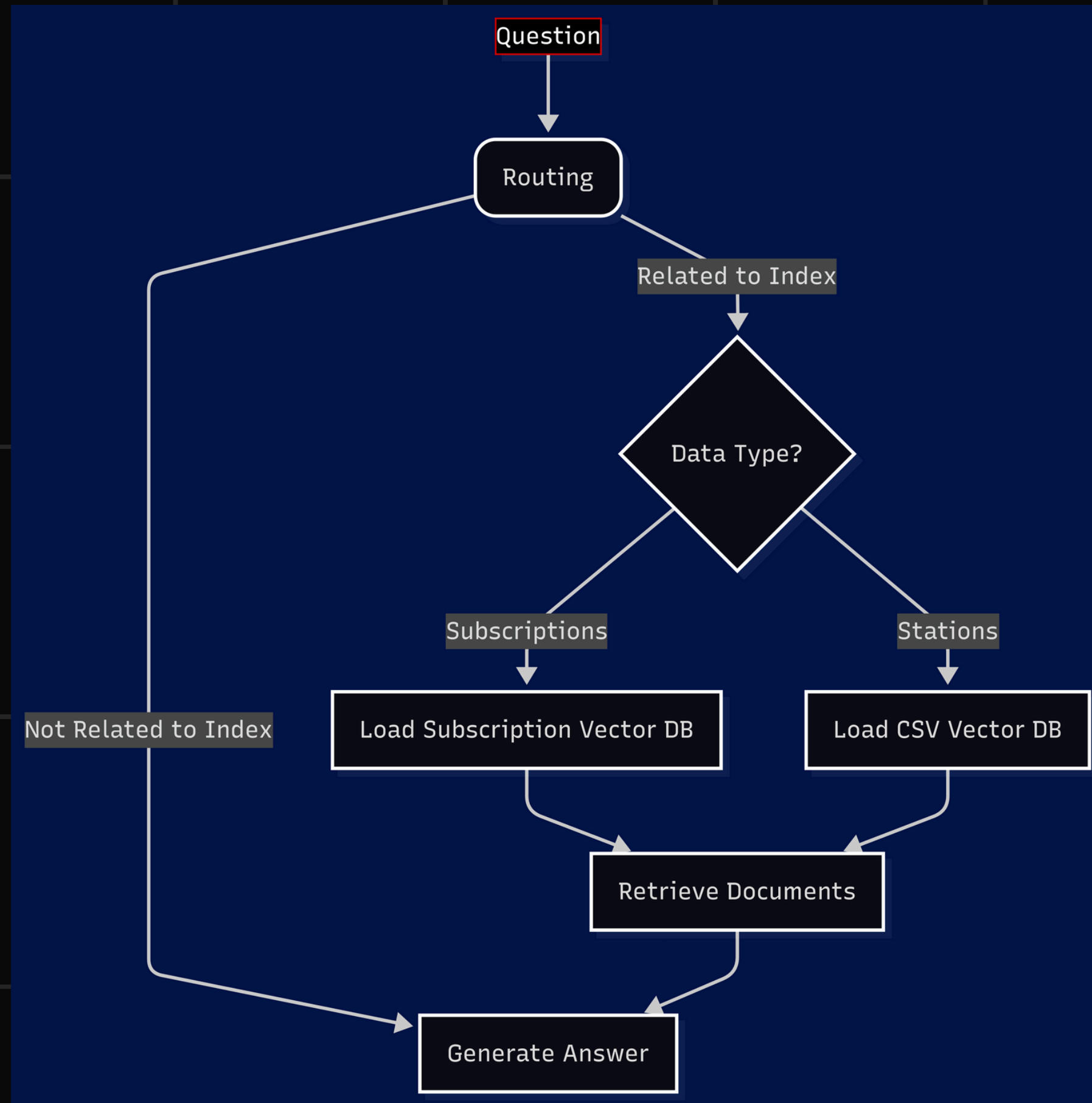
Can result in not being able to answer diverse or unexpected questions.

Current Drawbacks

Work Flow

Question

Routing

Related to Index

Data Type?

Not Related to Index

Subscriptions

Stations

Load Subscription Vector DB

Load CSV Vector DB

Retrieve Documents
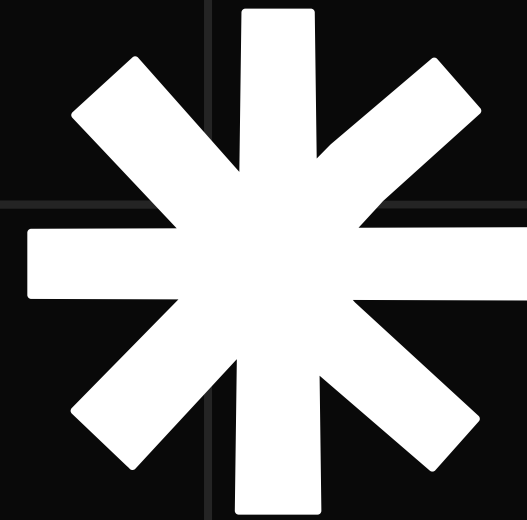
Generate Answer

Agents

Integrate agents to decide the best tool to use for answering a query.
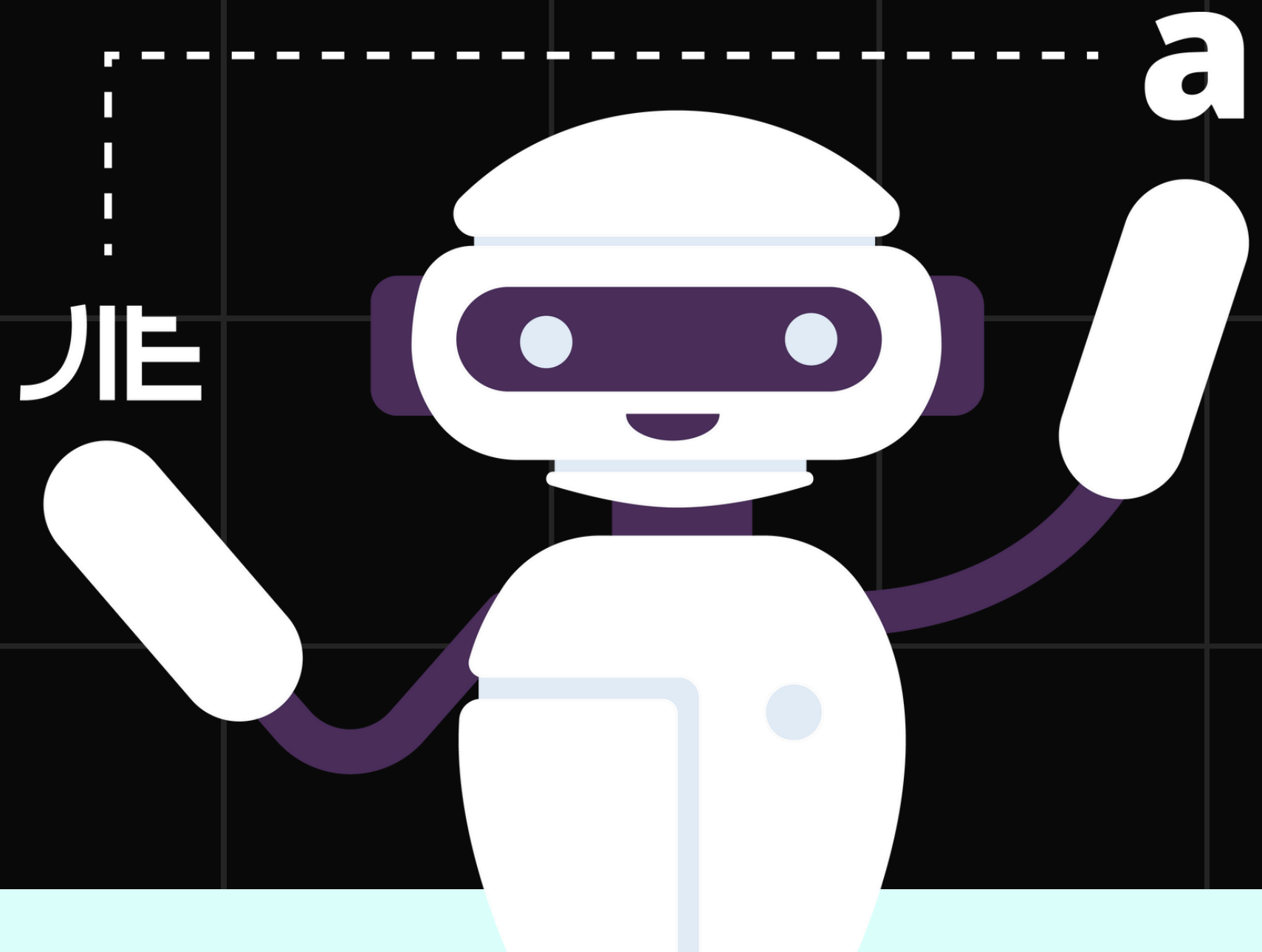
Multi Tools Handling:
- Local Vector DB
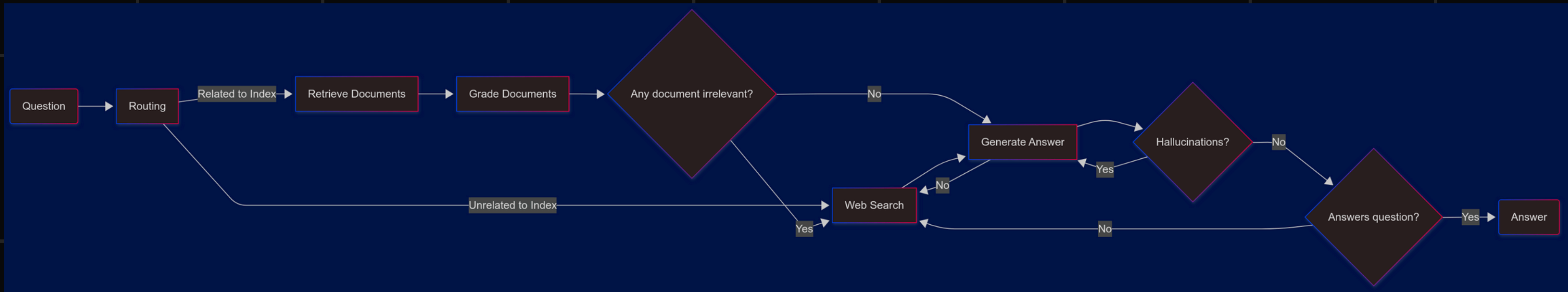- Live Internet Search
- LLM + SQL Queries

Components to add

- Relevancy Check
- Hallucinations Check
- Answer Validation

Future Vision

Potential Work Flow

✳ ✳ Thankyou