

# Building LLM Powered Solutions

## Module 5: Building a Hotel Search Engine

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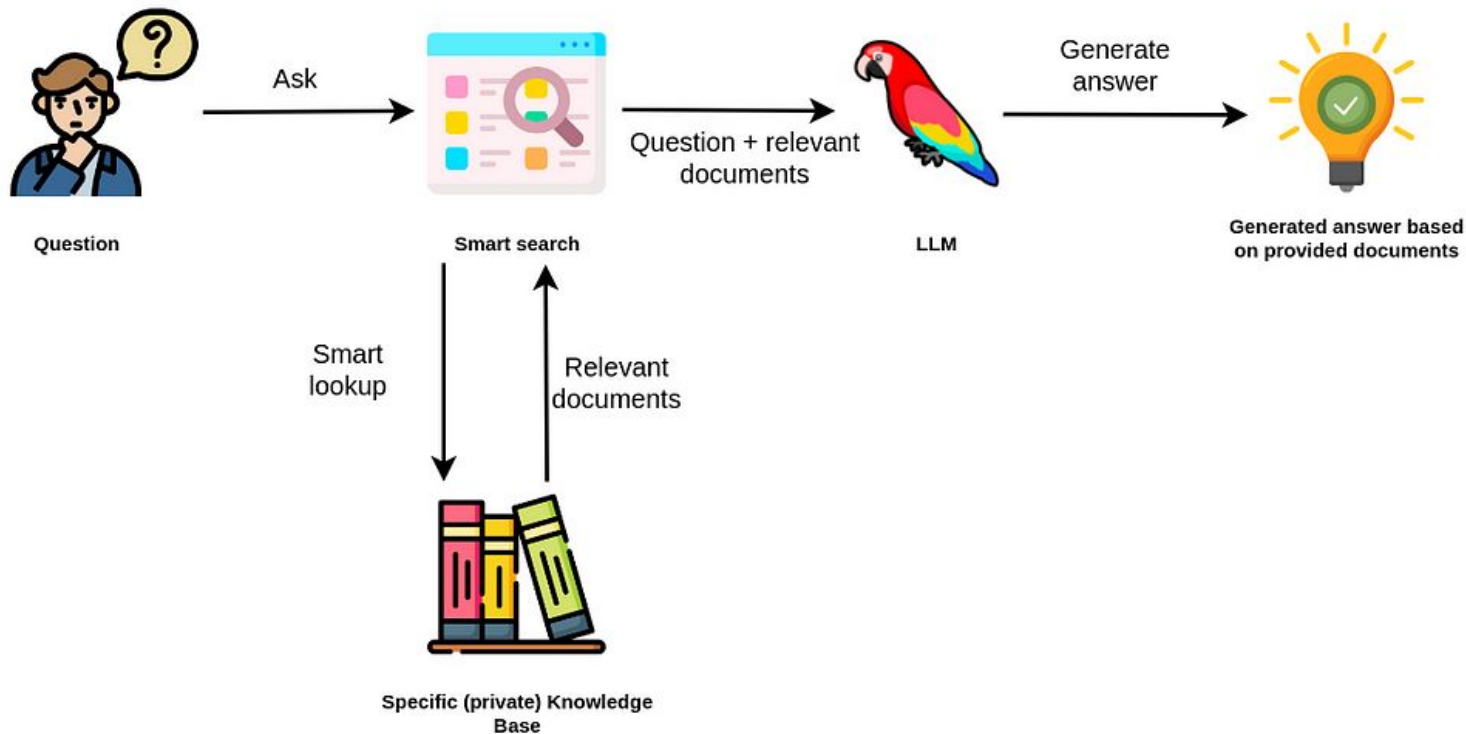


# Learning Outcomes

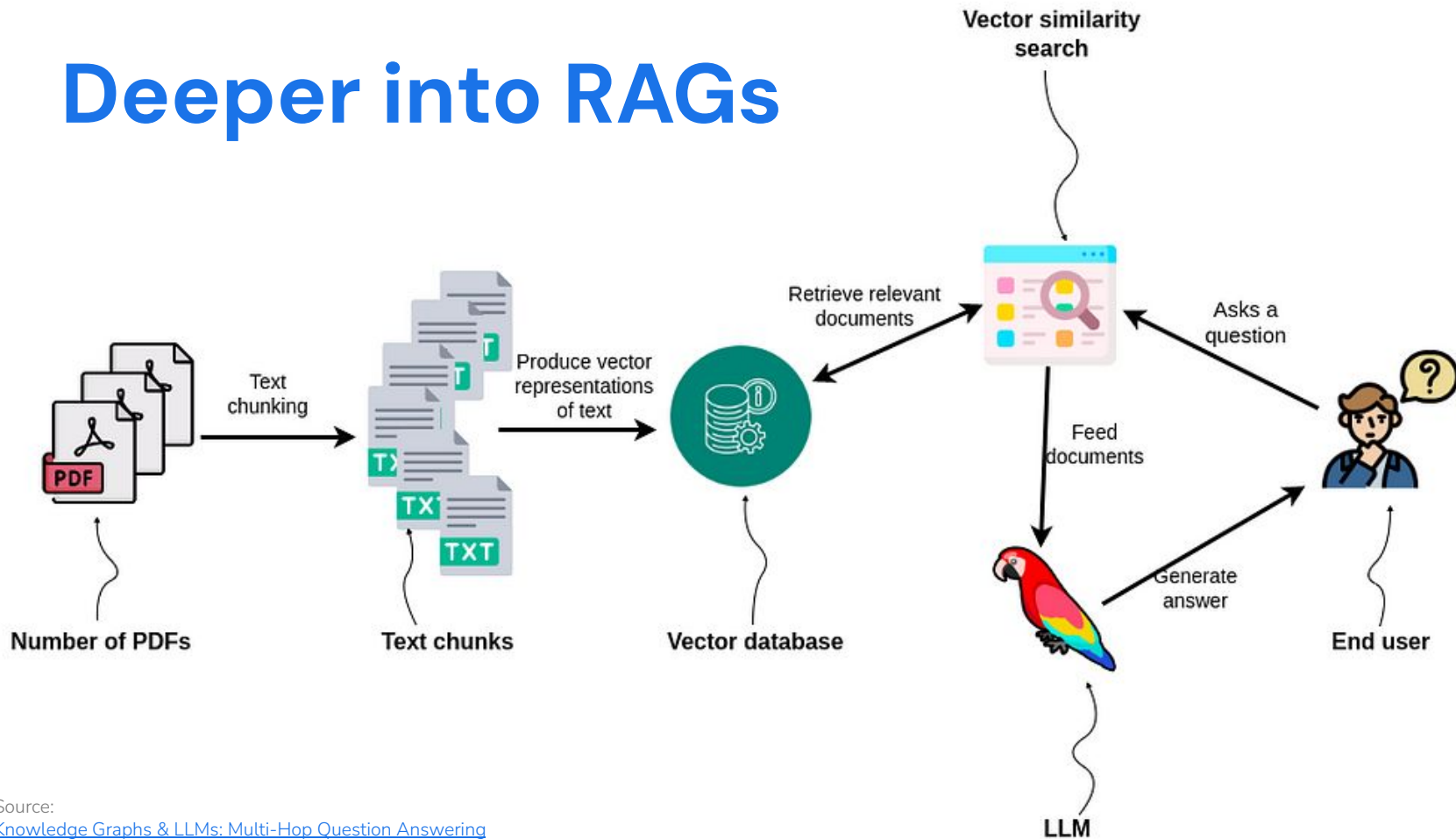
We will be covering topics on:

- Handling large corpus
- Using Langchain for RAG
- Building a Document Reader
- Knowledge Graphs
- Evaluation of LLMs

# Retrieval Augmentation



# Deeper into RAGs



# Introducing: Knowledge Graphs

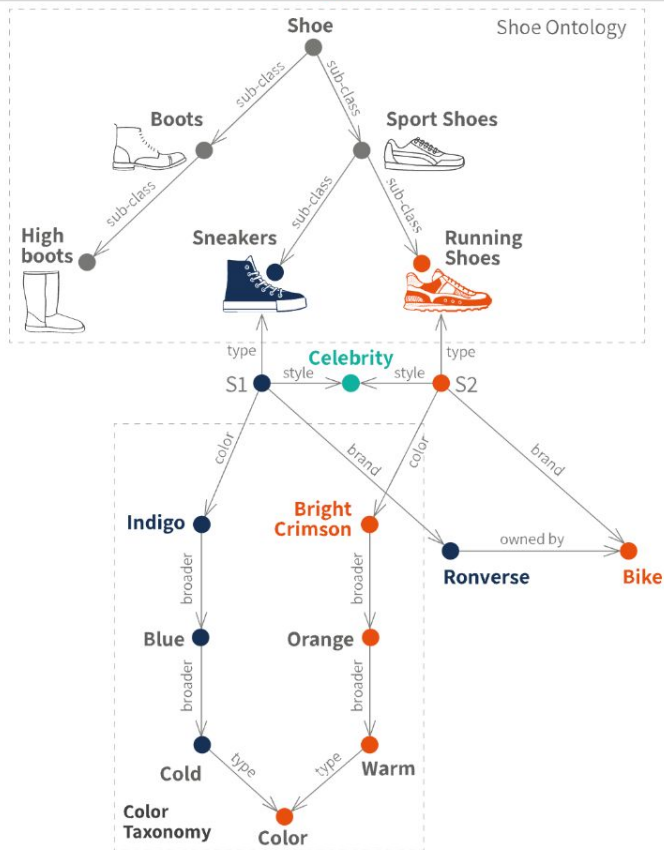
The heart of the knowledge graph is a knowledge model:  
a collection of interlinked descriptions of concepts, entities, relationships and events.

Knowledge graphs put data in context via linking and semantic metadata and this way provide a framework for data integration, unification, analytics and sharing.

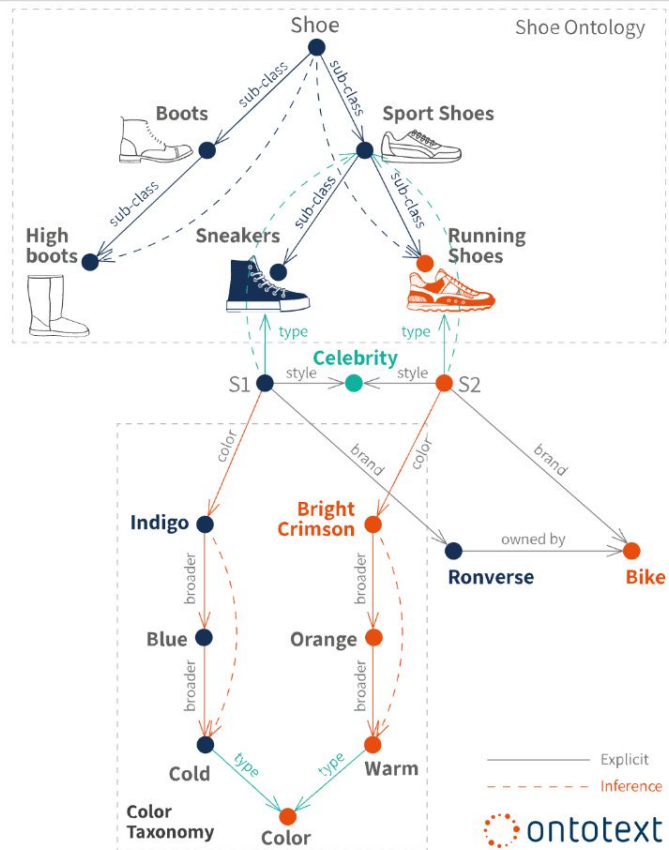
## Plain Graph



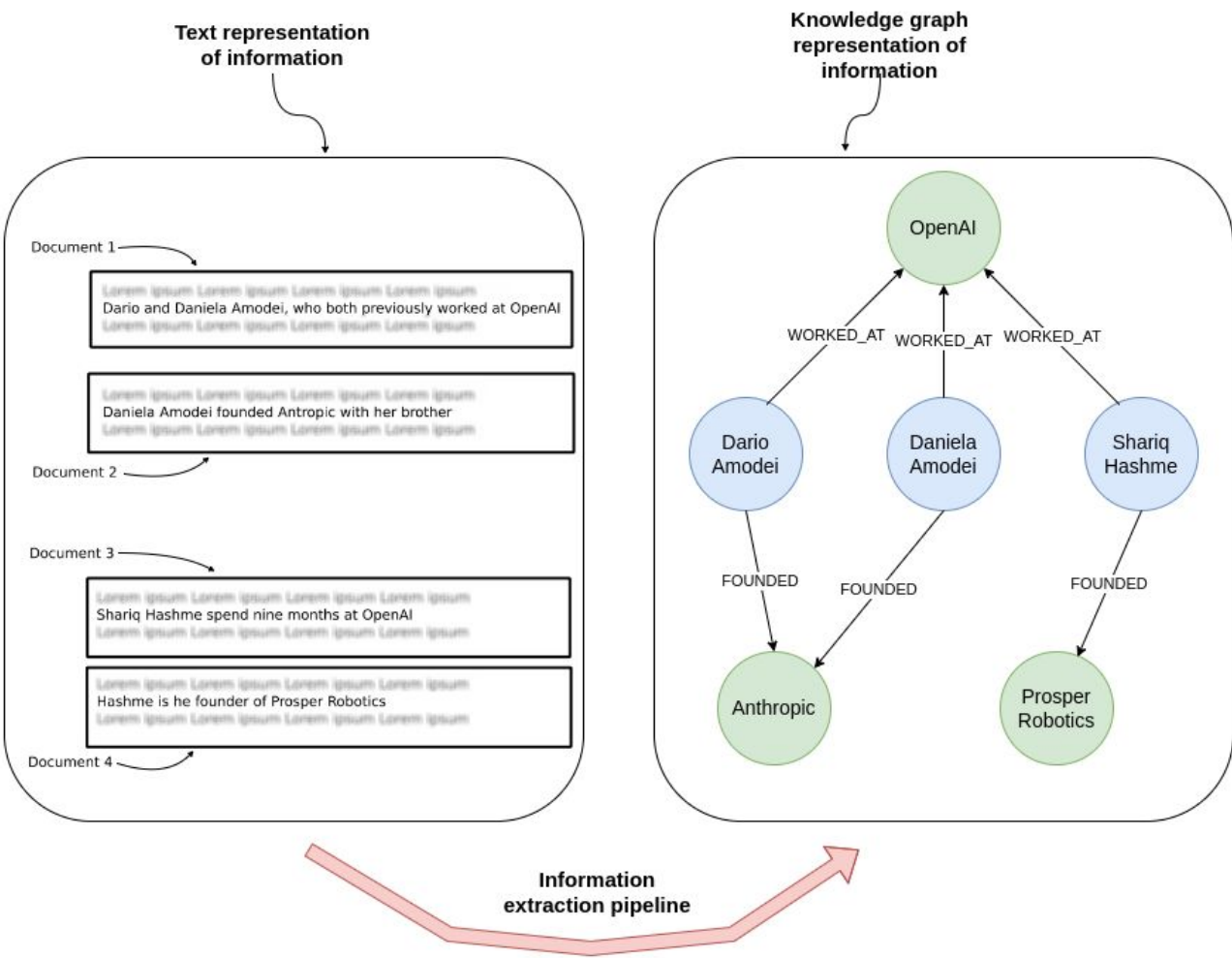
## Knowledge Graph



## Knowledge Graph with Inference

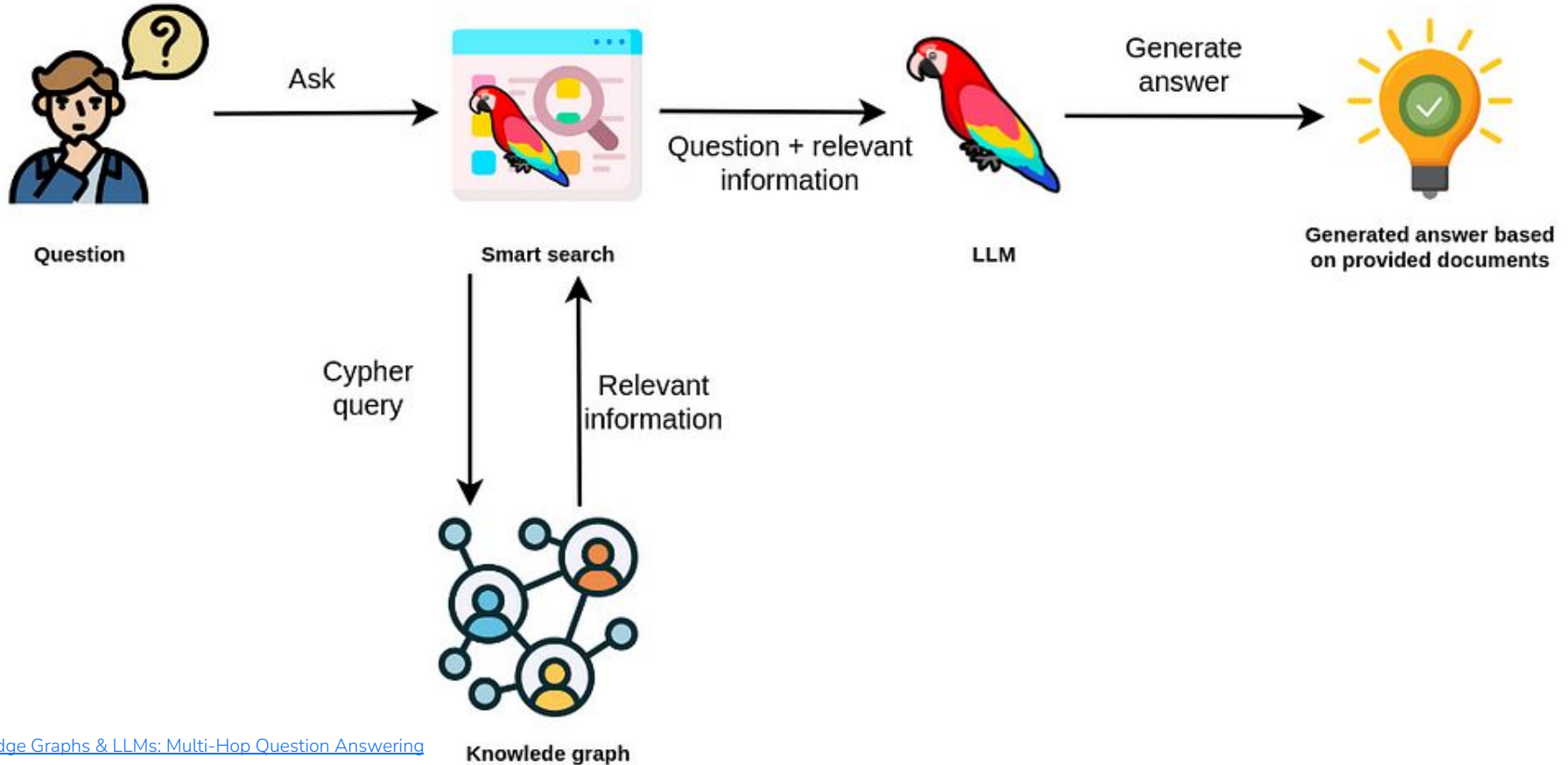


# Knowledge Graphs



Source:  
[Knowledge Graphs & LLMs: Multi-Hop Question Answering](#)

# Knowledge Graphs





**Thank you.**

# Appendix