

# Building the Search Engine

## Instructor

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Published Author



# Key Objectives of the Project

Build a Search Engine on  
Wikipedia Articles & Research Papers



Process text and PDF  
documents



Create document and  
contextual chunks



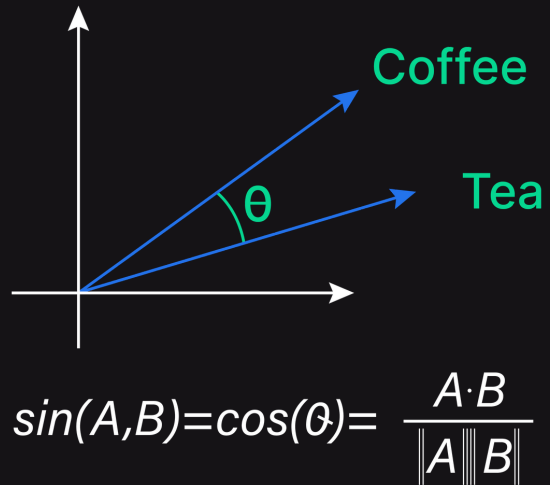
Index chunks and  
embeddings in a vector  
database



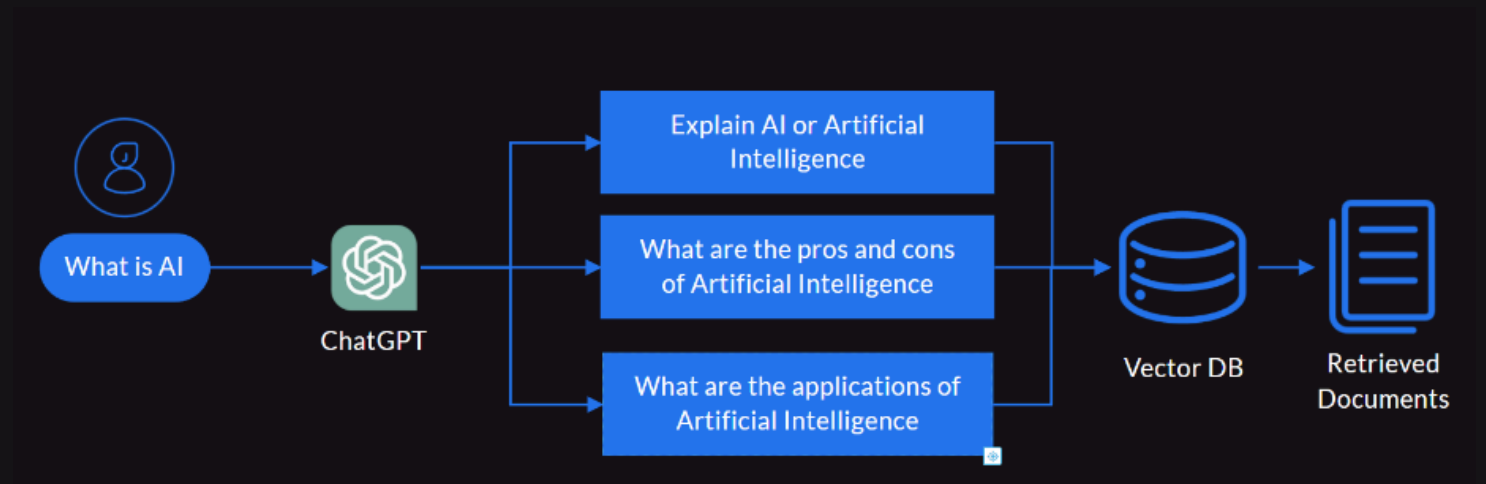
Experiment with different  
retrievers

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# Key Retrieval Strategies

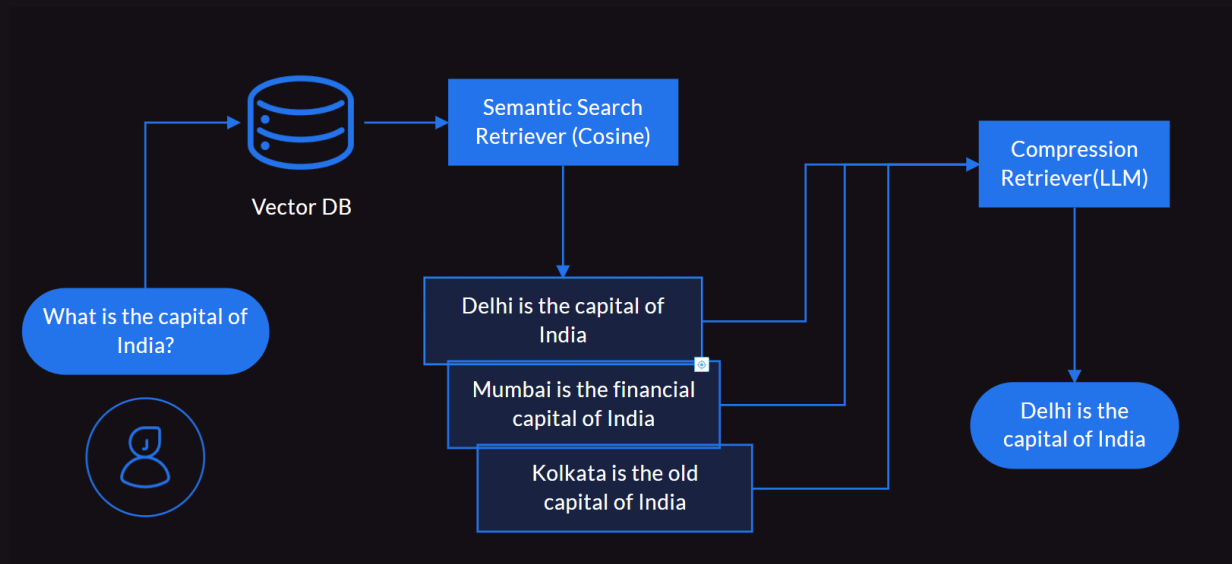


Semantic Similarity (Cosine)

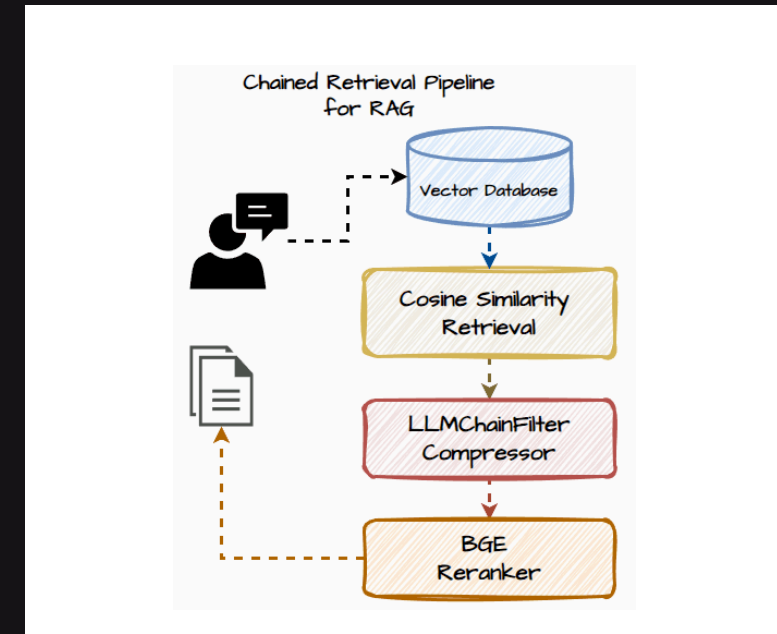


Multi Query Retrieval

# Key Retrieval Strategies



Contextual Compression Retrieval



Chained Retrieval + Reranking

# Thank You

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