

# Top 5 RAG Frameworks for AI Applications



LlamaIndex



haystack  
by deepset



RAGFlow



LangChain



LangGraph

# LangChain



# LangChain

LangChain is a flexible framework that simplifies the development of applications using LLMs. It provides tools for building RAG applications, making integration straightforward.

## Key Features:

- Modular design for easy customization.
- Supports various LLMs and data sources.
- Built-in tools for document retrieval and processing.
- Suitable for chatbots and virtual assistants.



# LlamaIndex

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# LlamaIndex

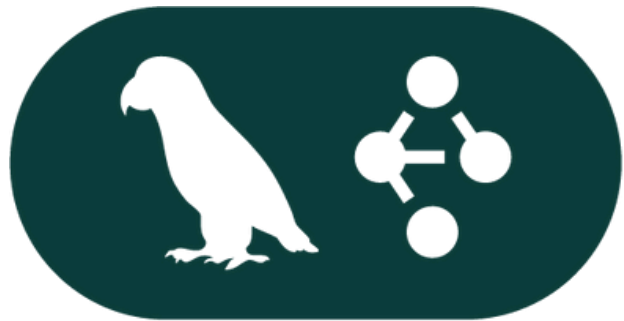
LlamaIndex, previously known as the GPT Index, focuses on organizing and retrieving data efficiently for LLM applications. It helps developers access and use large datasets quickly.

## Key Features:

- Organizes data for fast lookups.
- Customizable components for RAG workflows.
- Supports multiple data formats, including PDFs and SQL.
- Integrates with vector stores like Pinecone and FAISS.



# LangGraph



# LangGraph

LangGraph connects LLMs with graph-based data structures. This framework is useful for applications that require complex data relationships.

## Key Features:

- Efficiently retrieves data from graph structures.
- Combines LLMs with graph data for better context.
- Allows customization of the retrieval process.



# Haystack



haystack  
by deepset

Haystack is an end-to-end framework for developing applications powered by LLMs and transformer models. It excels in document search and question answering.

## Key Features:

- Combines document search with LLM capabilities.
- Uses various retrieval methods for optimal results.
- Offers pre-built pipelines for quick development.
- Compatible with Elasticsearch and OpenSearch.



# RAGFlow

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# RAGFlow

RAGFlow focuses on integrating retrieval and generation processes. It streamlines the development of RAG applications.

## Key Features:

- Simplifies the connection between retrieval and generation.
- Allows for tailored workflows to meet project needs.
- Integrates easily with various databases and document formats.