

Mastering RAG

RAG with Ilmware

Ilmware-ai/Ilmware



Unified framework for building enterprise RAG pipelines with small, specialized models

74

Contributors

106

Used by

44

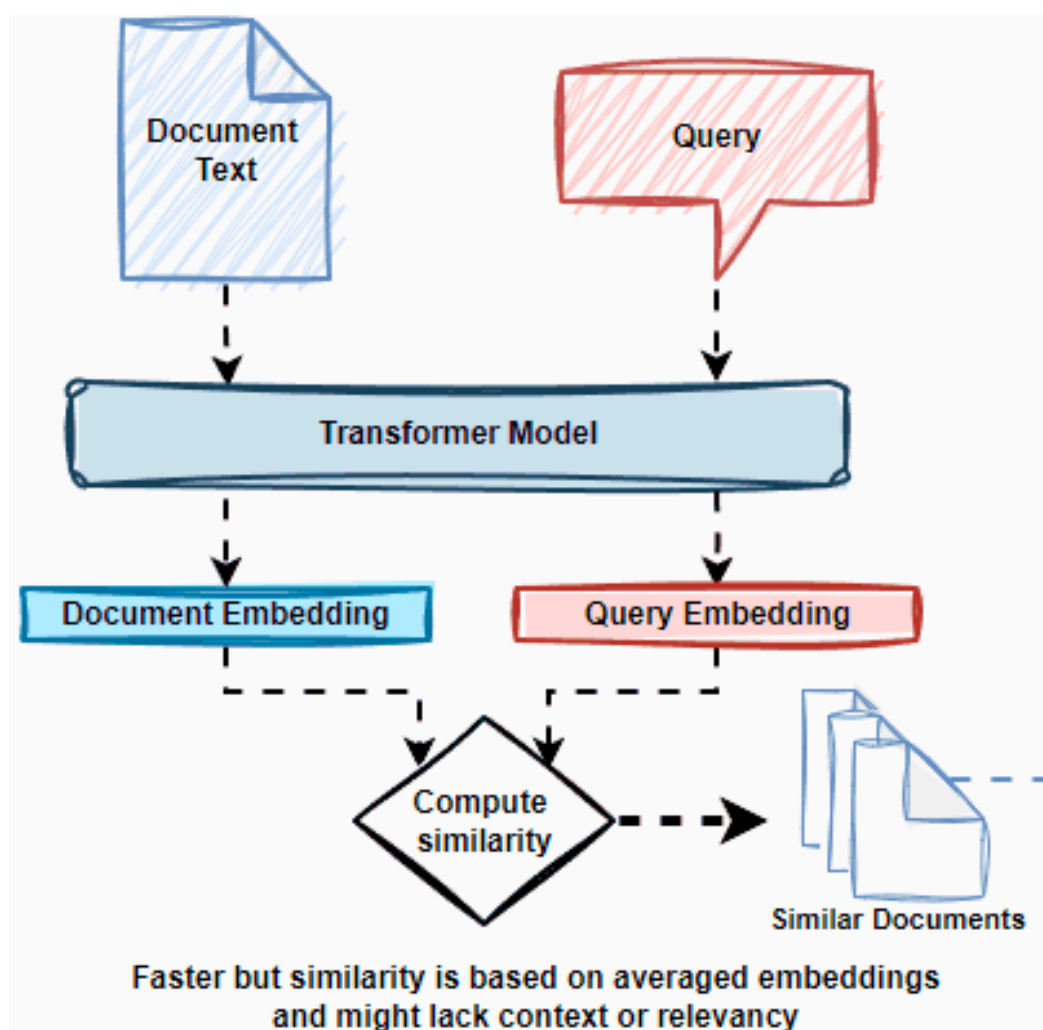
Discussions

12k

Stars

2k

Forks



Ilmware is an integrated framework designed to facilitate the development of applications based on Large Language Models (LLMs), with a particular emphasis on Retrieval-Augmented Generation (RAG) and multi-step agent workflows.

What is Llmware?

Llmware is an integrated framework designed to facilitate the development of applications based on Large Language Models (LLMs), with a particular emphasis on Retrieval-Augmented Generation (RAG) and multi-step agent workflows.

It offers a comprehensive set of tools suitable for both beginners and advanced AI developers, aiming to streamline the creation of industrial-grade, knowledge-based enterprise LLM applications.

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Key Features of Llmware

- **Retrieval:** Provides high-performance document parsers for rapid ingestion and text chunking of common document types. It supports various querying methods—semantic, text, and hybrid retrieval—with integrated metadata, enabling efficient semantic search and information retrieval.
- **Prompt Management:** Offers a unified interface compatible with over 50 models, simplifying the process of connecting and managing LLMs. It includes tools for evidence verification, response classification, and fact-checking, enhancing the reliability of AI outputs.
- **Vector Embeddings:** Supports a wide array of embedding models, including custom-trained ones, and integrates seamlessly with leading vector databases like Milvus, Postgres (PG Vector), Redis, FAISS, Qdrant, Pinecone, and Mongo Atlas.
- **Parsing and Text Chunking:** Equipped with high-speed parsers for formats such as PDF, PowerPoint, Word, Excel, HTML, Text, and WAV, facilitating scalable ingestion and processing of diverse document types.



Using Llmware for Retrieval-Augmented Generation (RAG) provides several advantages, making it a powerful choice for building accurate, scalable, and efficient AI applications. Here's why:

Optimized Retrieval for Better Accuracy

Llmware integrates advanced retrieval techniques that enhance RAG by fetching the most relevant information before generating responses. This helps:

- ✓ Reduce hallucinations in LLMs
- ✓ Improve response accuracy with real-time, contextual data
- ✓ Handle multi-document search efficiently

High-Performance Parsing & Indexing

Llmware includes high-speed document parsers that process PDFs, Word, Excel, HTML, and other formats. This makes it ideal for:

- ✓ Knowledge-based applications (chatbots, customer support)
- ✓ Enterprise search systems
- ✓ Document-heavy AI workflows



Advanced Vector Search & Embeddings

Llmware supports multiple embedding models and integrates with leading vector databases like:

- ✓ FAISS
- ✓ Pinecone
- ✓ Milvus
- ✓ Redis & more

This ensures faster and more relevant retrieval results for RAG pipelines.

Easy API & LLM Integration

Llmware is plug-and-play, meaning you can integrate it with:

- 🔗 OpenAI models (GPT-4, GPT-3.5)
- 🔗 Open-source models (Llama, Mistral, Falcon)
- 🔗 Custom AI models