Embedding:

Embeddings

Embeddings convert text into high-dimensional numerical vectors that capture semantic meaning. They are the foundation of retrieval in RAG, enabling similarity search between queries and stored documents.

Embeddings

- ❑ **What it is**

- Converts text (queries, documents) into **dense vector representations** (embeddings) that capture semantic meaning.

- ❑ **Why it's important**

- Enables the system to understand **semantic similarity** between user queries and stored documents.

- ❑ **Examples**

- OpenAI (text-embedding-ada-002)
- Hugging Face models
- Cohere, Google's BERT/USE