

Artificial Intelligence (AI) is the simulation of human intelligence in machines. Retrieval Augmented Generation (RAG) is a technique where external knowledge sources are retrieved and provided as context to a language model before generating answers. RAG helps reduce hallucinations by grounding the model's responses in factual data. It is widely used in document-based question answering systems. Vector databases store embeddings, which are numerical representations of text. Similarity search is used to retrieve the most relevant chunks for a given query.