

Retrieval-Augmented Generation (RAG)

100% COMPLETE

RAG basics



Practice 1: Foundational Text-Based RAG System



RAG evaluation



Practice 2: RAG Pipeline Evaluation



RAG Advanced approaches



Practice 3: Practice: Hybrid Search + Reranking



Practice 4: Advanced RAG approaches



Multimodal RAG



Practice 5: Multimodal RAG (Phase 5.1 and 5.2)



Practice 6: Multimodal RAG with CoPali-like approach

**Practice 4: Advanced RAG approaches**

Grid University

Phase 4: Advanced RAG Techniques

Objective: Implement advanced RAG features.

Tasks:**1 Semantic Caching (optional for interns):**

- Design and implement a semantic caching layer to store and reuse answers for similar queries, improving efficiency.

2 Multi-hop Retrieval (Conceptual or Basic Implementation) - Optional for interns:

- For complex questions requiring information from multiple document parts or modalities, design a multi-hop retrieval process. This could involve the LLM iteratively refining queries or combining information from an initial retrieval pass.

Next: Final Assessment

In Progress

50%

Retrieval-Augmented Generation

Retrieval-Augmented Generation (RAG)

Final Assessment

Course Tasks

Course Evaluation