

Other Retrieval Mechanisms In AI Agents

Retrieves
relevant text
data by
matching exact
or range text
queries from
stored text-
based data.

REST/WS

API

Combines
multiple retrieval
methods to
provide
accurate and
comprehensive
result.

Geospatial Search

Search for, understand, and
retrieve information that is tied
to geographic or spatial data

Retrieves
information by
calculating
semantic
similarity
between query
vectors and data
vectors.

RAG / Semantic Search

Combines retrieval + generation:

Retrieve relevant context from a knowledge base.

Feed it to a language model for answer generation.

Prevents “hallucination” and keeps answers grounded in real data.



The agent
stores
experiences,
conversations,
or learned facts
in a **memory
store** and
retrieves them

Memory

Short vs Long Term

Embedding similarity search
over stored memories.

Relevance ranking and
contextual scoring.

The agent
access
Internet
corpus.

Internet

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MongoDB Search Capabilities

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