

# RAG Storyboard

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This storyboard visually represents the concepts described in the provided script about Retrieval-Augmented Generation (RAG).

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## Frame 1

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**Script Line:** A base LLM only knows what it learned during training — its knowledge is frozen at the cutoff.



## Frame 2

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**Script Line:** This makes it unreliable for anything recent, private, or domain-specific.

The diagram illustrates a date cutoff error in an LLM response. On the left, a calendar grid shows the days of the week (S, M, T, W, T, F, S) and the dates 1 through 31. A red line labeled "CUTOFF DATE" is drawn across the calendar at the 17th. The date 31 is circled in red. On the right, a user asks "What's the latest in recent news?" and "Can you tell me private data insights?". The LLM Response is shown in a box, with the text "Sure! Here's the latest news..." and "I have the private data insights for you...". A large red 'X' is drawn over the response, and a red warning icon with the word "ERROR" is displayed below it.

S	M	T	W	T	F	S
						1
— CUTOFF DATE —						
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	31

What's the latest in recent news?  
Can you tell me private data insights?

**LLM Response**

Sure! Here's the latest news...  
I have the private data insights for you...

**ERROR**

### Frame 3

**Script Line:** Retrieval-Augmented Generation (RAG) solves this by retrieving relevant documents before generation.

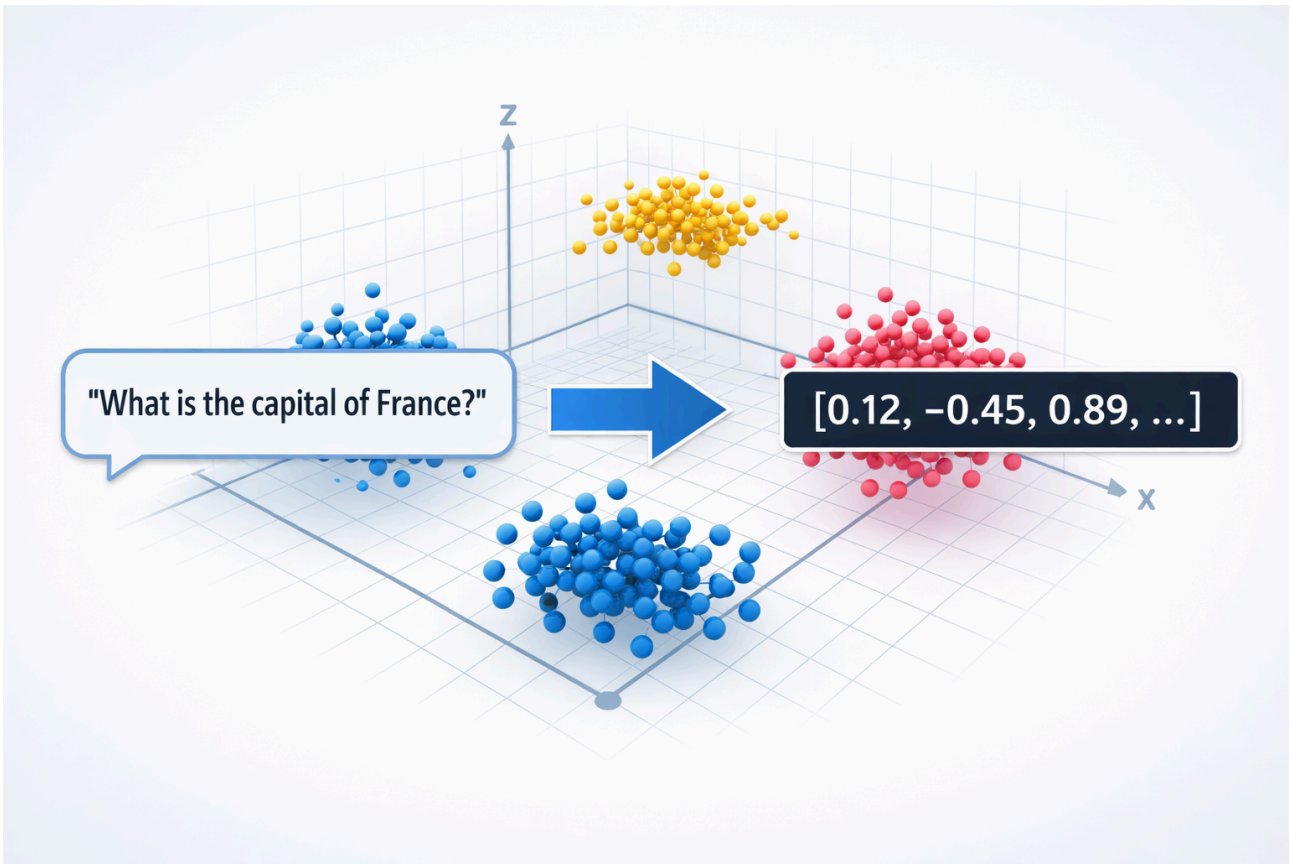
# RAG

Retrieval-Augmented Generation



## Frame 4

**Script Line:** The query is embedded and similar chunks are fetched from a vector database.

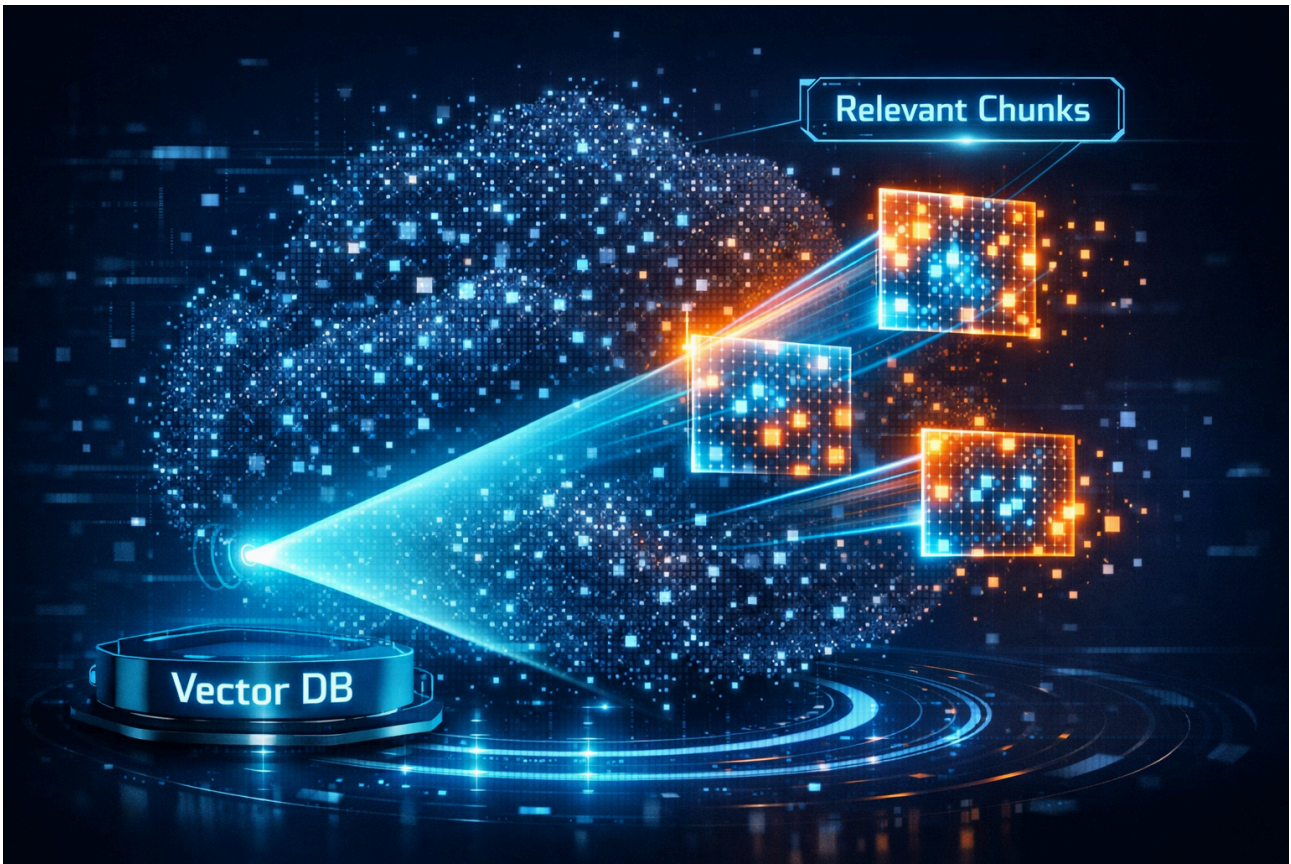


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## Frame 5

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**Script Line:** Those chunks are injected into the prompt alongside the original query.

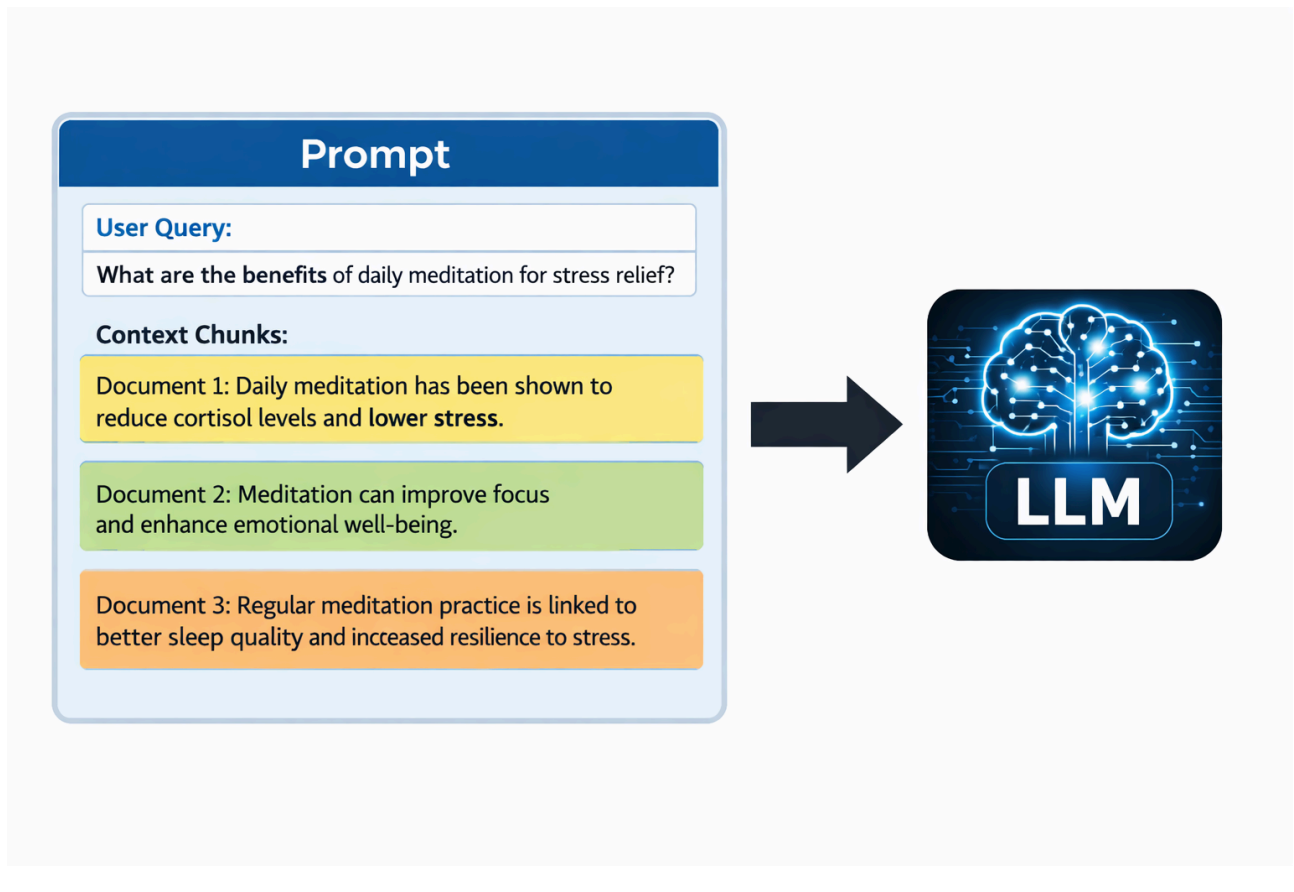


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## Frame 6

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**Script Line:** The LLM generates an answer using both its training knowledge and the retrieved context.



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## Frame 7

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**Script Line:** The LLM generates an answer using both its training knowledge and the retrieved context.



Training Knowledge

Retrieved Context

**Comprehensive Answer**

The Eiffel Tower, located in Paris, stands 324 meters tall (1,063 feet). Completed in 1889, it is one of the most iconic landmarks in the world, attracting millions of visitors each year. As of 2026, the tower is open bolly, with an observation deck offering stunning views of the city.