

Response Synthesis

Instructors

Prashant Sahu

Manager - Data Science, Analytics Vidhya

Ravi Theja

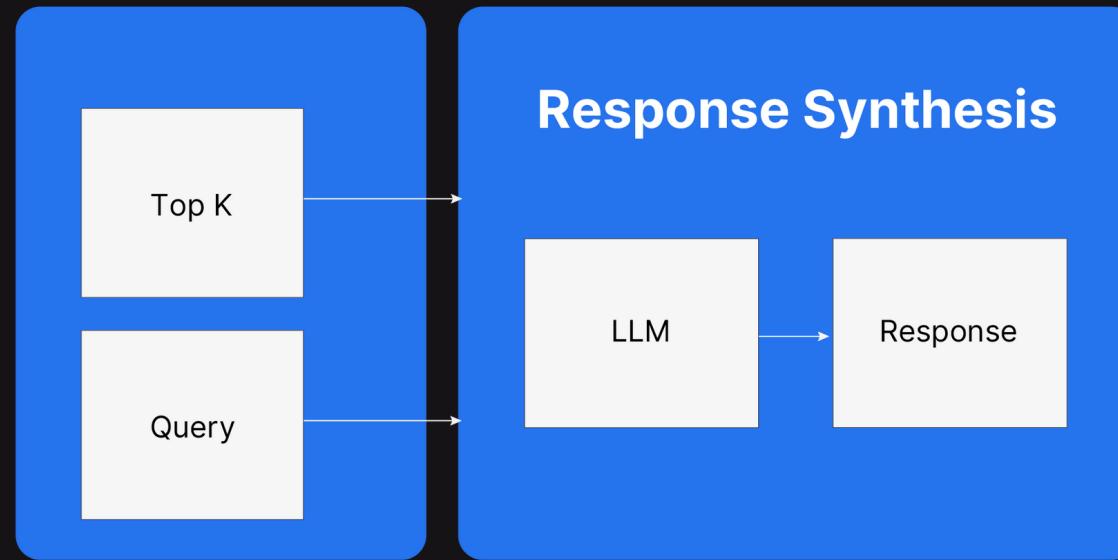
Developer Advocate Engineer, LlamalIndex



Recap RAG Framework



Response Synthesis



What is Response Synthesizer?

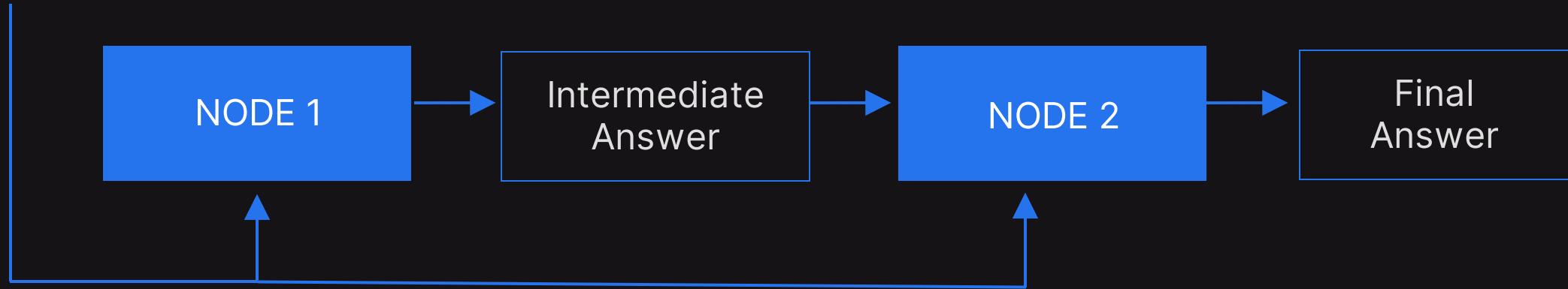
Generates the response from the user query and retrieved chunks

Different types of Response Synthesizers

- 1 Refine
- 2 Compact
- 3 Accumulate
- 4 Compact Accumulate
- 5 Tree Summarize

Refine

Query



Refine

Text QA Template prompt

Context information is below.

{context_str}

Given the context information and not prior knowledge, answer the query.

Query: {query_str}

Answer:

Refine

Refine Template prompt

The original query is as follows: {query_str}

We have provided an existing answer: {existing_answer}

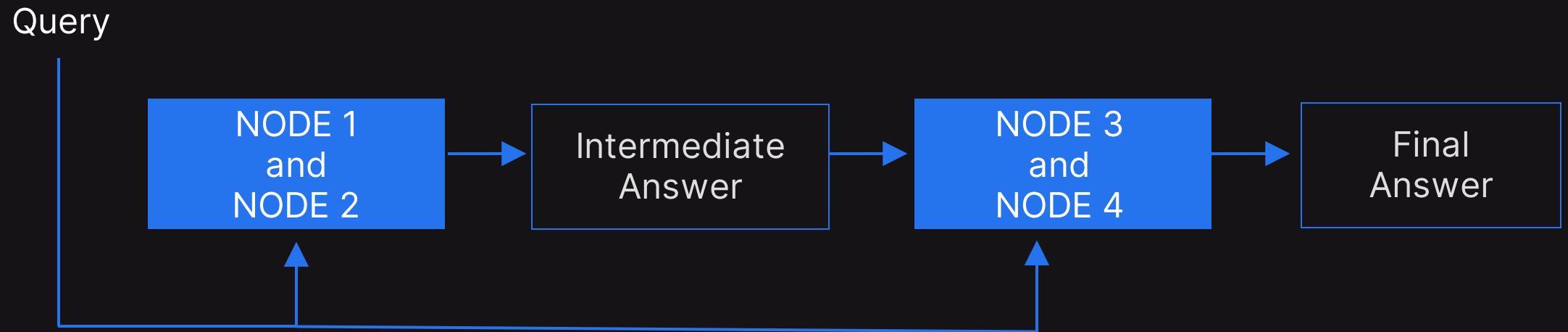
We have the opportunity to refine the existing answer (only if needed) with some more context below.

{context_msg}

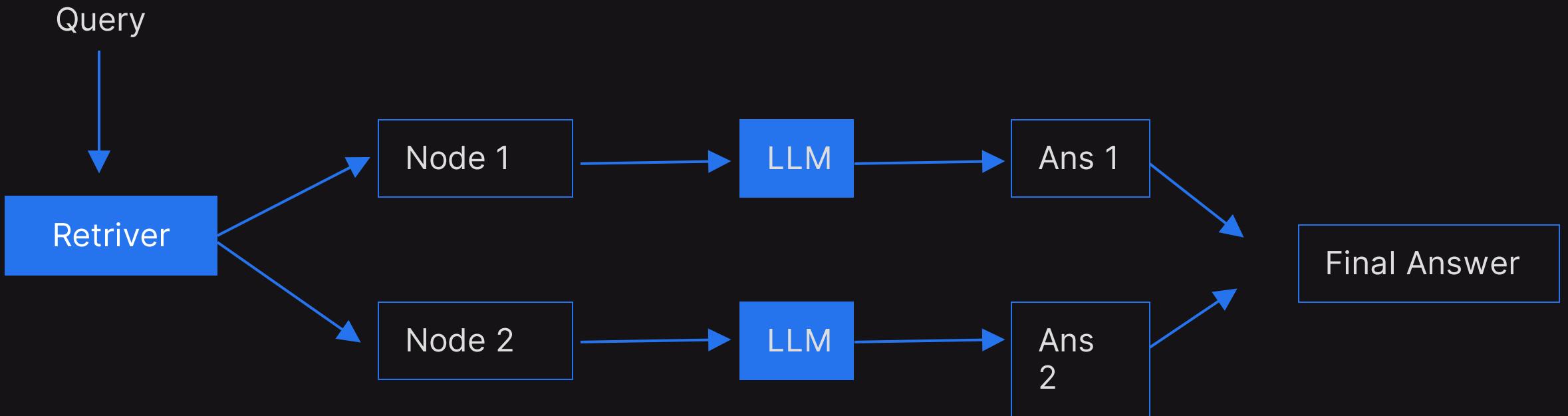
Given the new context, refine the original answer to better answer the query. If the context isn't useful, return the original answer.

Refined Answer:

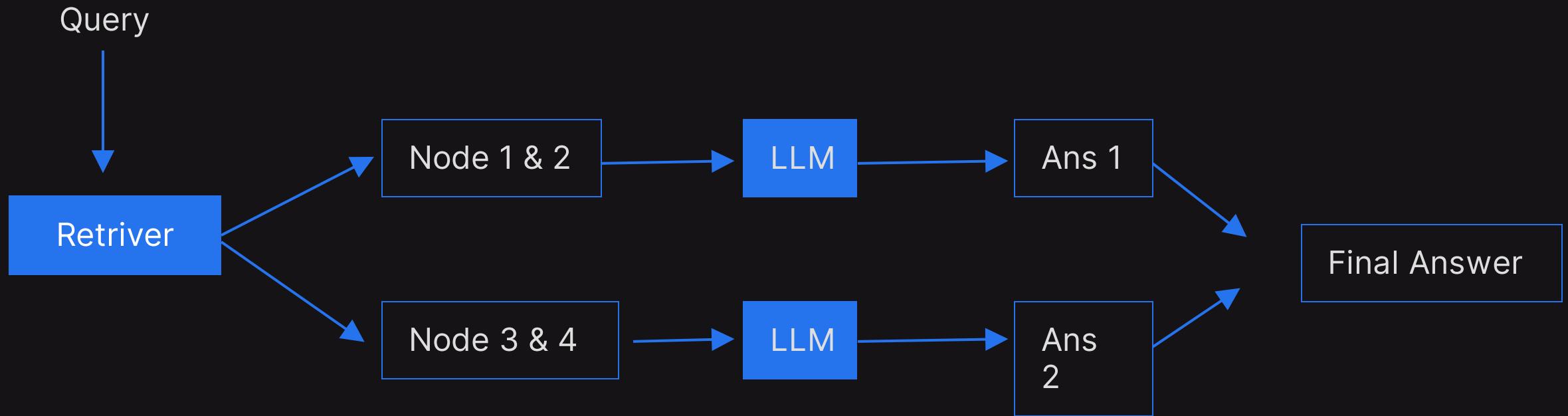
Compact



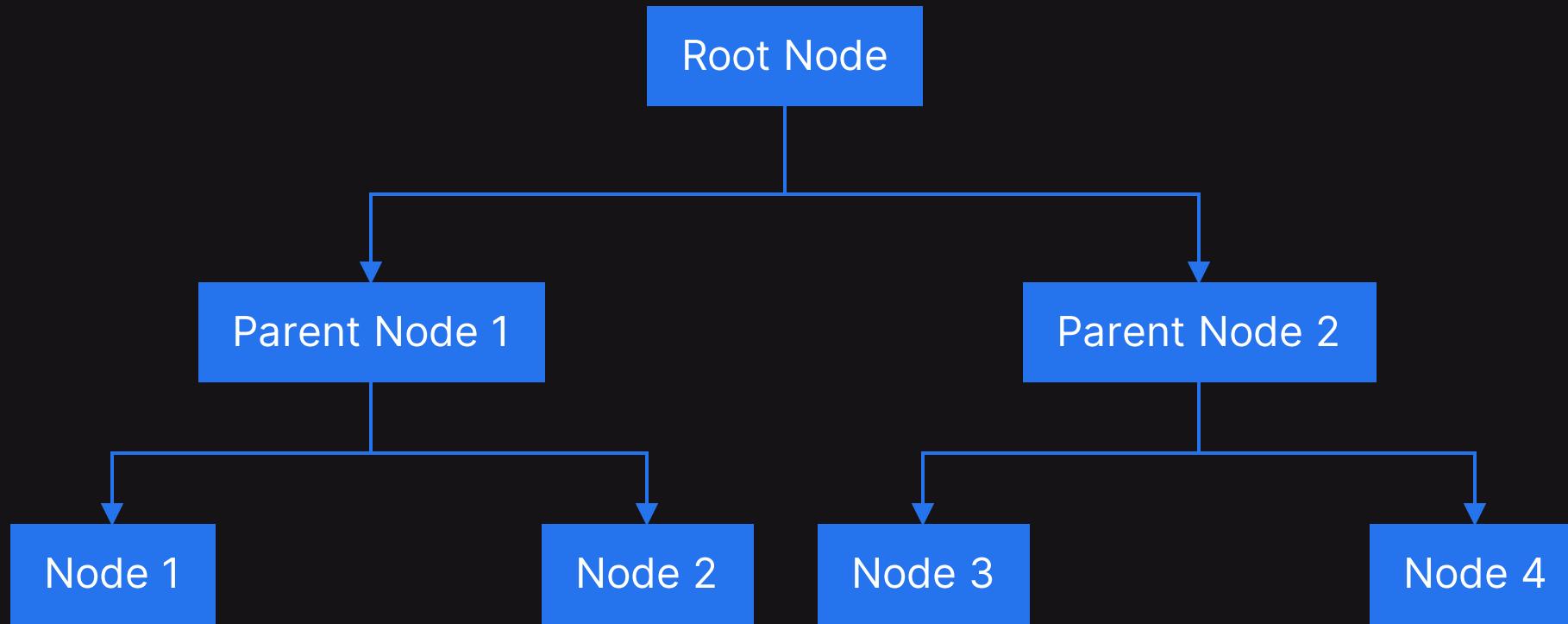
Accumulate



Compact Accumulate



Tree Summarize



Thank You
