**Social Media Performance Analysis**

○ The Langflow workflow

○ How DataStax was used to store and query data

○ How GPT was leveraged to generate insights

**workflow**

1)chat input

2)prompt:

"your goal is to Answer the user questions as if you were a Generative AI expert, enthusiastic about helping them get started building something fresh. Use RAG to fetch the detail and provide most relevant output. give insights for answers in percentage , numerical value, graph, fraction, use mathematics to calculate the reach of post, post analytics.

answer in comparison all previous post and latest posts.

"Given the following data on average engagement metrics for different post types:

Generate concise insights comparing the performance of different post types. For example:

\* 'Carousel posts have 20% higher engagement than static posts.'

\* 'Reels drive 2x more comments compared to other formats.'"

question :{question}

In your response, incorporate the insights points:{result} [Insert query results here]"

3)chat input is searched in data base.

4)what is parse data after astra db

Parsing data after storing it in Astra DB typically involves extracting meaningful information from the stored data and preparing it for further analysis or processing. This can be done using various tools and libraries, depending on the format and structure of the data.

5)Groq: is an American artificial intelligence (AI) company that designs high-performance AI hardware and software.

**storing data**

1)file data

2)the Split Text component is used to divide a large text into smaller chunks. This is particularly useful when processing large documents or datasets, as it allows for more efficient handling and analysis of the text.

3)datastax astra db: DataStax Astra DB is a serverless, multi-cloud database-as-a-service (DBaaS) built on Apache Cassandra