

Assignment 2 - RAG Chatbot

Develop a Retrieval-Augmented Generation (RAG) model to answer financial questions based on company financial statements (last two years).

Chatbot's link

<https://group-51-cai-a2-chatbot.streamlit.app/>

Chatbot developed by Group-51 is hosted as a **Streamlit** application.

Screenshots

Considerations

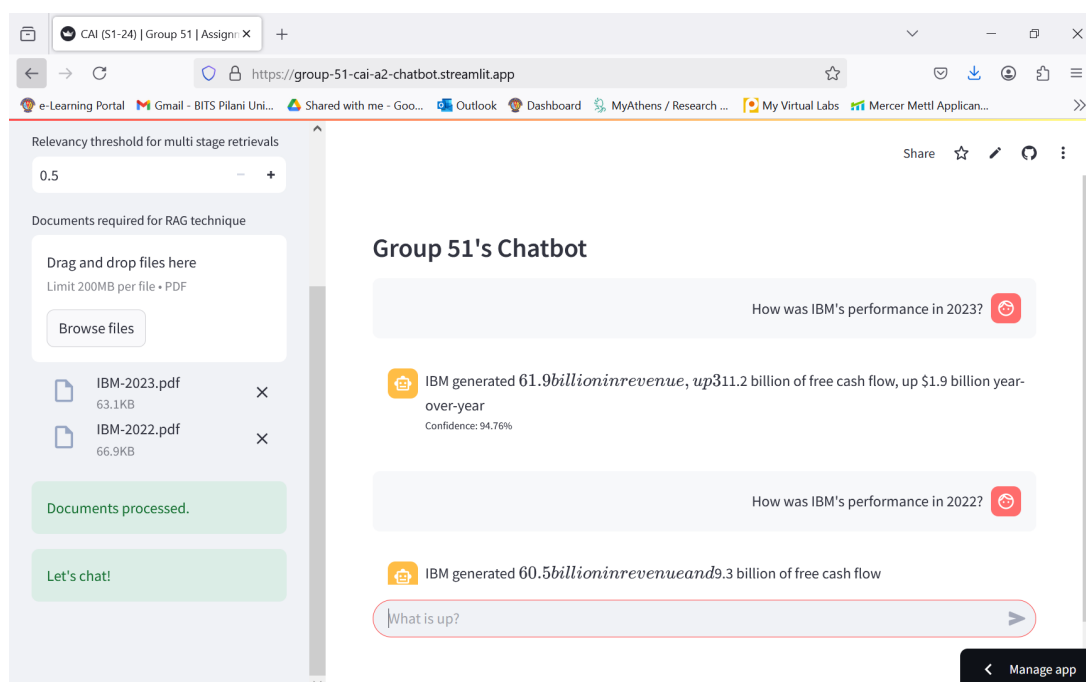
- **Multi-Stage Retrieval** advanced RAG techniques is used in this chatbot.
- For answer generation IBMs' financial statements of *year 2023* and *2022* are referred for below chatbot questions.

Relevant financial questions (high-confidence).

Questions:

- *How was IBM's performance in 2023?*
- *How was IBM's performance in 2022?*

Chatbot responses:

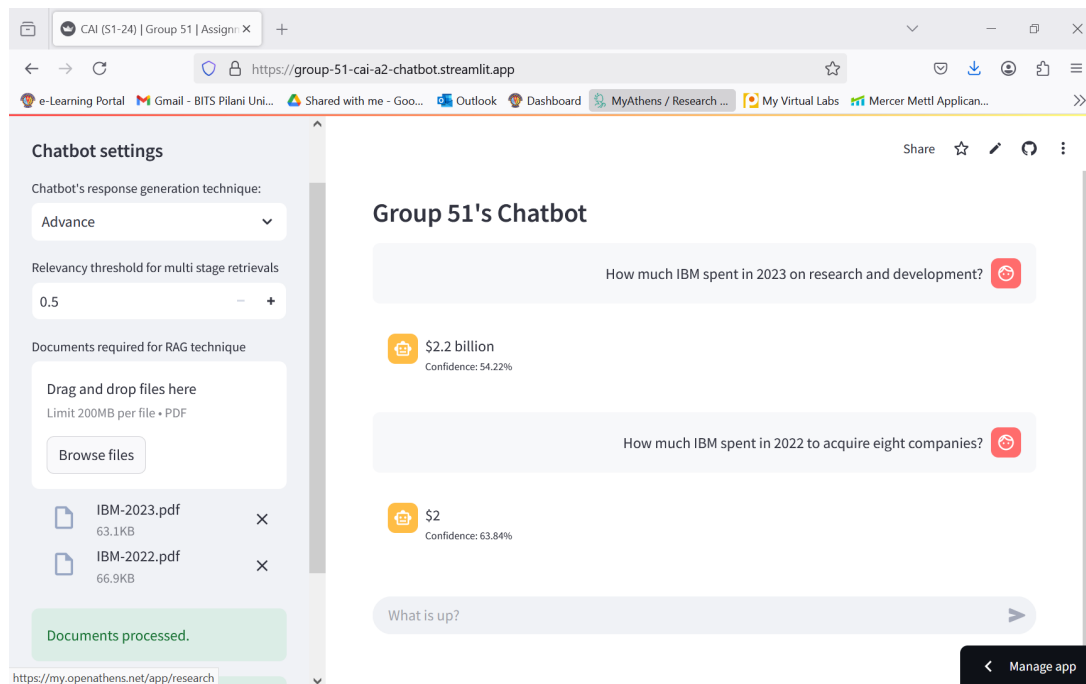


Relevant financial questions (low-confidence).

Questions:

- *How much IBM spent in 2023 on research and development?*
- *How much IBM spent in 2022 to acquire eight companies?*

Chatbot responses:



Irrelevant questions

Questions:

- *Whats up dude?*
- *Are you an idiot?*
- *What is the capital of France?*
- *What is abara ka dabara?*

Chatbot responses:

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Chatbot settings

Chatbot's response generation technique:

Advance

Relevancy threshold for multi stage retrievals

0.5

Documents required for RAG technique

Drag and drop files here
Limit 200MB per file • PDF

Browse files

IBM-2023.pdf
63.1KB

IBM-2022.pdf
66.9KB

Documents processed.

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Are you an idiot?

🗑️

This financial question is not allowed being either irrelevant or harmful.

What is capital of France?

🗑️

Unable to find answer to this irrelevant question.

What is abara ka dabara?

🗑️

Unable to find answer to this irrelevant question.

What is up?

➤

Manage app