

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 links

GitHub repository link: <https://github.com/2023aa05142/cai-a2>

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

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

Screenshots

Considerations

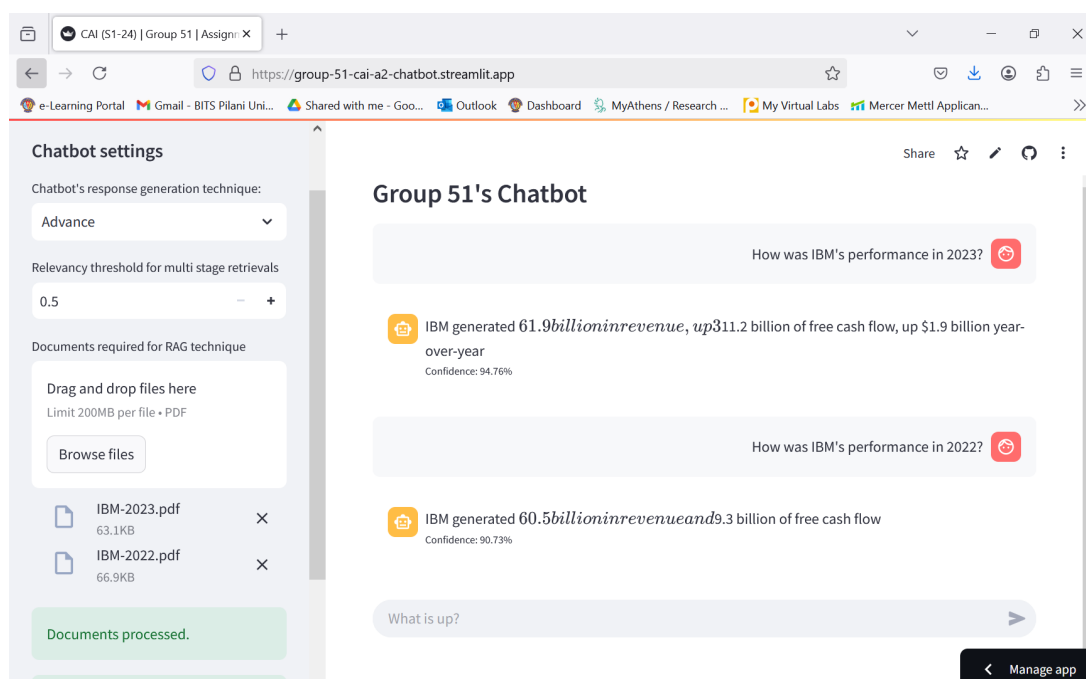
- **Multi-Stage Retrieval** advanced RAG techniques is used in this chatbot.
- For answer generation IBMs' financial statements of *year 2023* and *2022* are referred for below chatbot questions.

Relevant financial questions (high-confidence).

Questions:

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

Chatbot responses:

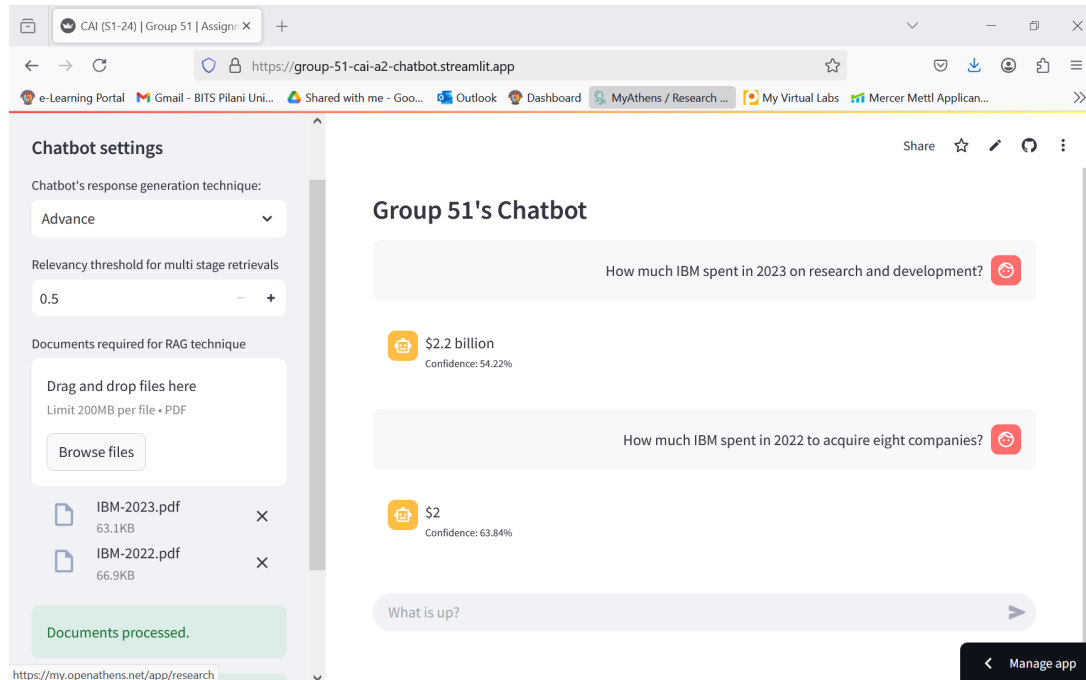


Relevant financial questions (low-confidence).

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 dabra?*

Chatbot responses:

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README.md

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

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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