

# 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

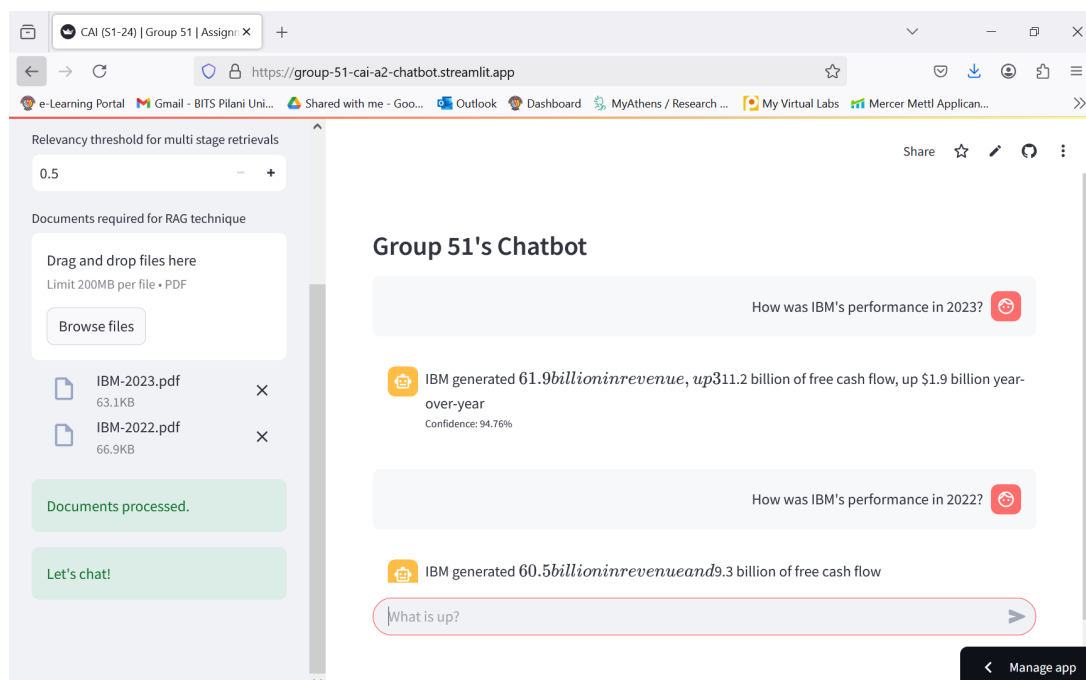
- **Multi-Stage Retrieval** advanced RAG techniques is used in this chatbot.
- For answer generation IBMs' financial statements of *year 2023* and *2022* are referred for below chatbot questions.

Relevant financial questions (high-confidence).

### Questions:

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

### Chatbot responses:

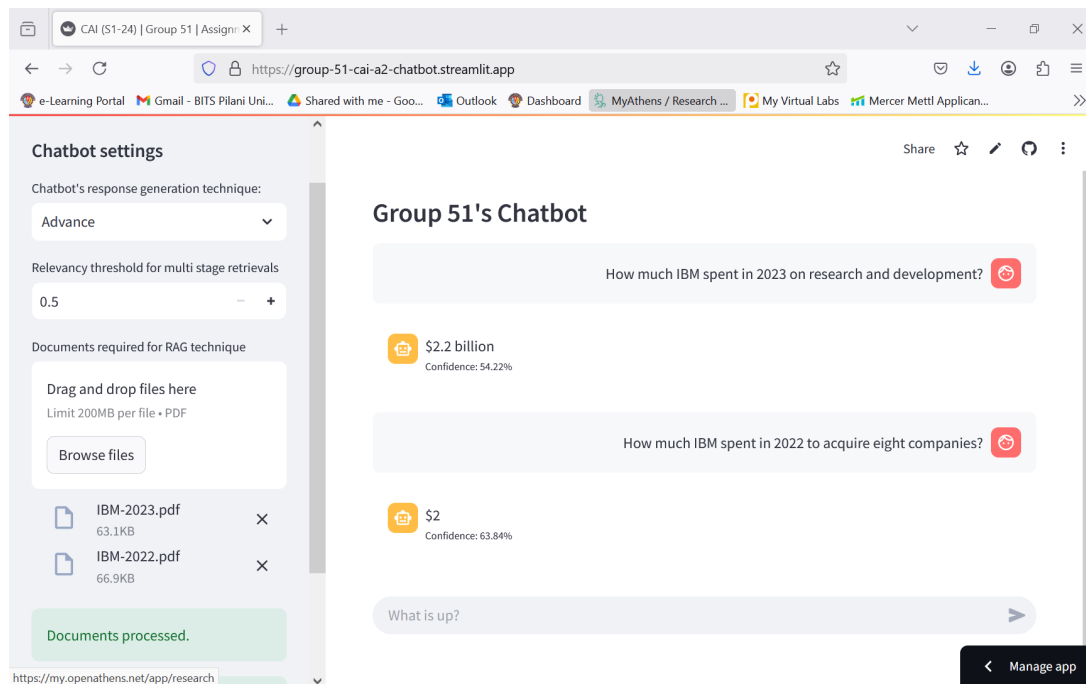


Relevant financial questions (low-confidence).

### 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 dabra?*

### Chatbot responses:

