DAY – 56

17 October 2025

the error is clear:

AttributeError: 'dict' object has no attribute 'page_content'

That means inside your chatbot_logic.py, when you created the example/sample docs, you used **Python dictionaries** like:

```
sample_docs = [
    {"page_content": "some text"},
    {"page_content": "another text"}
]
```

But Chroma.from_documents() expects a list of **Document objects**, not plain dicts.

Fix

Just change your sample_docs section to use LangChain's Document class.

Here's the **correct fix**

Find this part in your chatbot_logic.py:

```
sample_docs = [
    {"page_content": "LangChain is a framework for developing applications powered by language models."},
    {"page_content": "RAG stands for Retrieval-Augmented Generation, combining LLMs with external knowledge sources."},
    {"page_content": "Groq API provides fast inference for models like Gemma and Mixtral."}
]
```

Name- Jasleen Kaur   **Branch-D4 CSE (C2)**   **URN-2302723**

vectorstore = Chroma.from_documents(sample_docs, embedding=embeddings)

And replace it with this:

from langchain.schema import Document # add this import at the top

sample_docs = [
    Document(page_content="LangChain is a framework for developing applications powered by language models."),
    Document(page_content="RAG stands for Retrieval-Augmented Generation, combining LLMs with external knowledge sources."),
    Document(page_content="Groq API provides fast inference for models like Gemma and Mixtral.")
]

vectorstore = Chroma.from_documents(sample_docs, embedding=embeddings)

Explanation

- Document is the LangChain data structure that stores text and metadata.
- Chroma expects each input to be a Document object with a .page_content attribute.
- Dictionaries don't have .page_content, so Python raised the AttributeError.

After making that small change, rerun your app:

python app.py

It will now start normally and load embeddings correctly.

Name- Jasleen Kaur   Branch-D4 CSE (C2)   URN-2302723