**How to Run the Financial Policy Chatbot**

**Structure**

**Please Make the structure of the project as follows if downloaded zip doesn’t Align as such**

FinanceChat AI/

├── 📁 data/

│ └── For Task - Policy file.pdf

├── 📁 src/

│ ├── build\_knowledge\_base.py

│ ├── financial\_chatbot.py

│ ├── streamlit\_app.py

│ ├── config.py

│ └── \_\_pycache\_\_/

├── financial\_policy\_faiss\_index/

├── index.pkl

│ ├── index.faiss

├── 📁 venv/

├── .gitignore

├── app.py

├── How to run.docx

└── requirements.txt

**Installation**

Navigate to the project directory and create a virtual environment.

* **python -m venv venv**
* **source venv/bin/activate**

Activate the virtual environment using the appropriate command for your operating system. Install the required Python packages by running the pip install command.

**Setting Up the Knowledge Base**

Place your PDF document in the data folder. Run the **build\_knowledge\_base.py** script to process the PDF and create the vector database. This step extracts text from the document, splits it into chunks, and generates embeddings.

**Running the Chatbot**

You can run the chatbot in terminal mode by executing the **financial\_chatbot.py script**. And For a web interface, run the **‘streamlit\_app.py’** script.

**Usage**

After starting the chatbot, type your questions about theinformation in the financial policy document. The system will retrieve and display relevant sections from the document. multiple questions can be asked in sequence during a session.

The chatbot works offline using local machine learning models and does not require any API keys or internet connection after the initial setup.