WhatsApp Chat BOT

Purpose

This is a ChatBot (Helper) designed to answer questions posted in on a WhatsApp group. The ChatBot understands your queries and provides the closest possible answers.
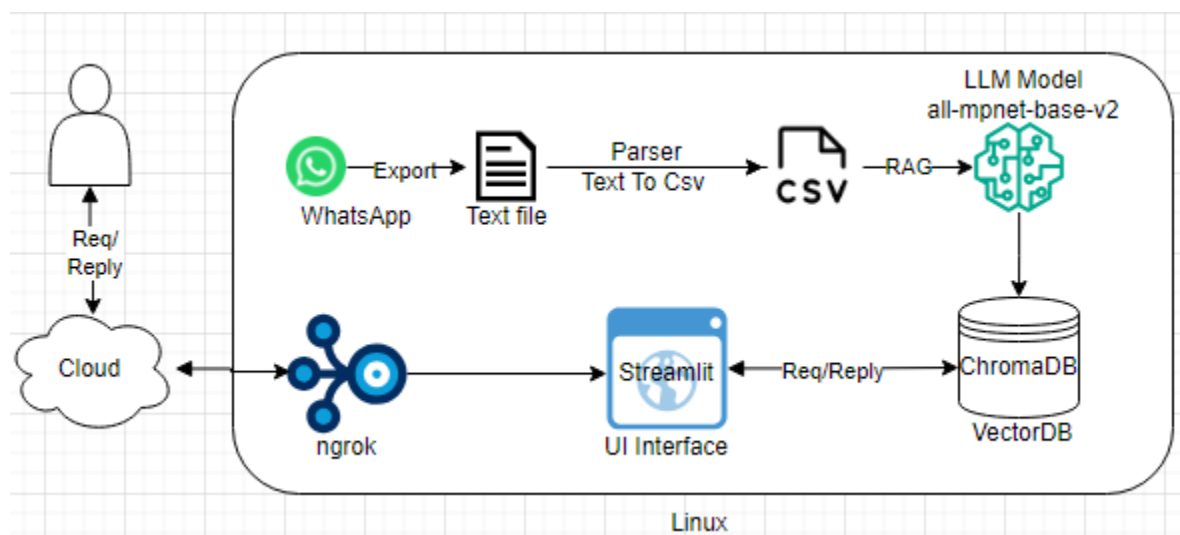
Example: Run below queries

- Google drive links
- Training Meeting Invite
- Baljeet contact details, please
- Recommended dev environment
- Quick_Chicken_Byte

Environment

- Linux
- Python3
- ChromaDB
- ngrok

Architecture

How to run?

1. Export WhatsApp messages to text file
2. Run 'wa-msg-parser.py' which generates csv from text file

   ```
   python wa-msg-parser.py
   ```

3. RAG csv data using 'wa-msg-producer.py' and store in ChromaDB file

   ```
   python wa-msg-producer.py
   ```

4. Run 'consumer.py' with sample quries

   ```
   python consumer.py
   ```

5. Run 'WA-Streamlit-Iface.py' UI service on localhost to communicate with CromaDB

   ```
   streamlit run 01-streamlit-app.py
   ```

6. Run ngrok and expose UI interface to cloud

   ```
   ngrok http http://localhost:8501
   ```

Get sources from github

```
git clone git@github.com:bhagavansprasad/QueryMate.git
```

TODO

1. Image search
2. Replies are not upto the mark
3. Works on offline messages of WhatsApp
4. Optimization
5. User different LLMs to make the search better
6. Port it to Hugging Interface