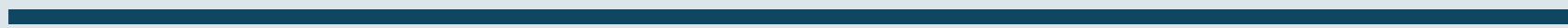
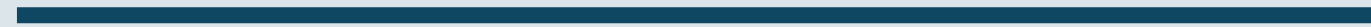


ONE CLICK VIDEO BREAKDOWN

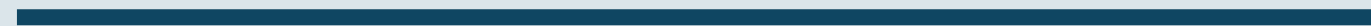
RAGHAD ALKHUDAIR



Introduction



One Click Video Breakdown uses AI to
summarize, translate, and chat with videos.
making content more accessible for everyone,
including Deaf and hard-of-hearing individuals



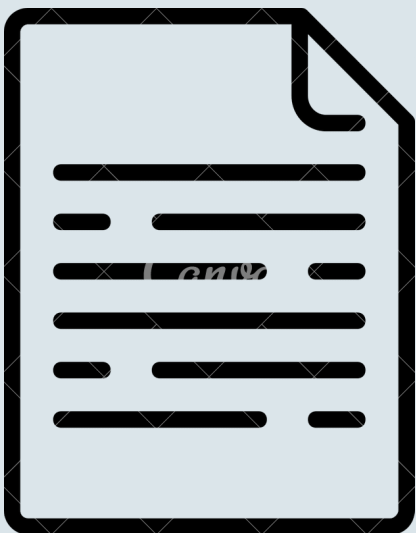
Project overview

video extraction



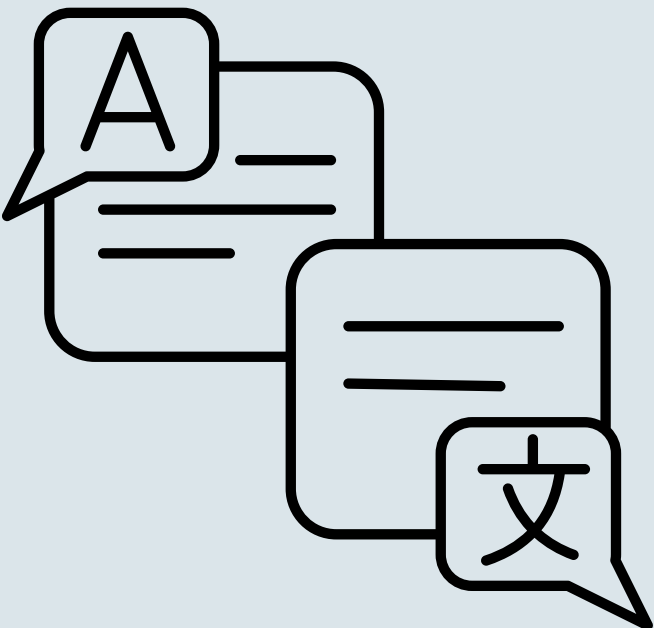
yt_dl

Transcription , summarization



whisper (small)

Translation



GPT-4 , OpenAI TTS

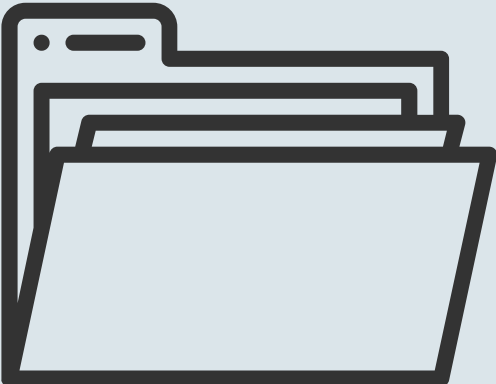
Chatbot

audio extraction

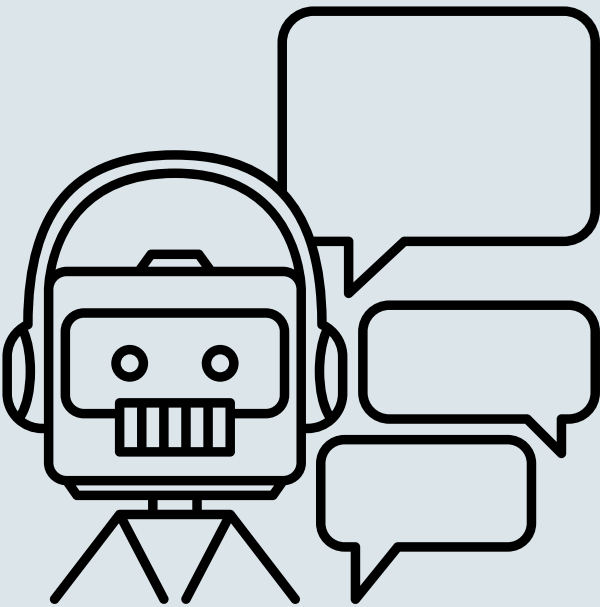


ffmpeg

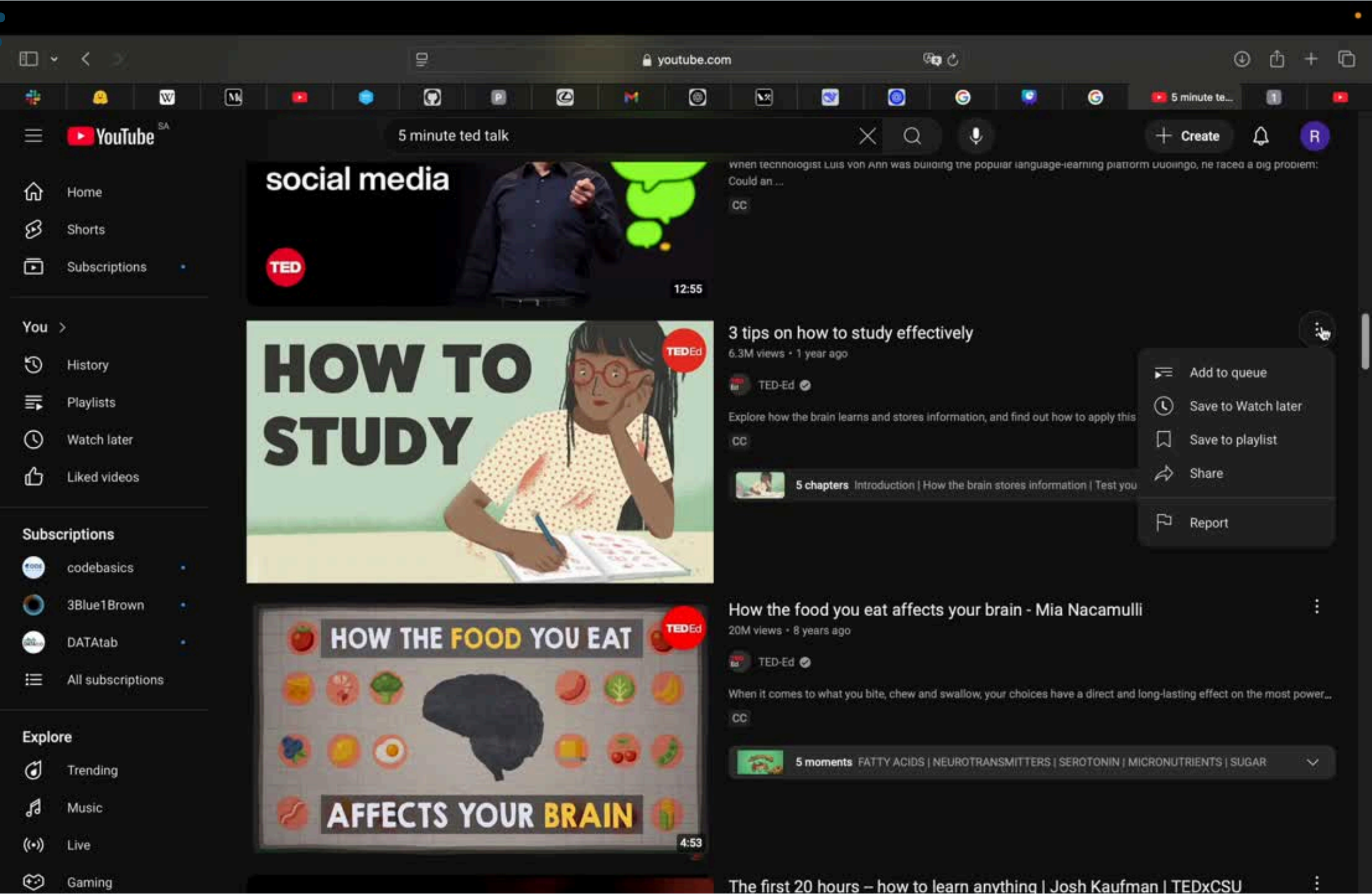
Store transcript



ChromaDB



Demo:



Challenges

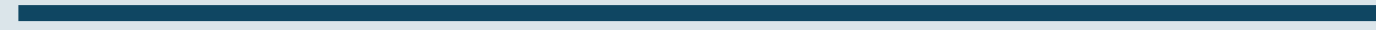
- Ensuring chatbot only uses transcript content
- Handling long transcripts and summarizing them accurately
- Using GPT-4 was computationally and financially expensive, especially during development and testing



Future plans

- User login and video history
- Sentiment and emotion analysis
- Export to PDF or Word





Thank you

