



ChatGPT AI & Whisper API Global Hackathon

Our solution: AI Video Translation



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Overview

In 2021, YouTube's official blog announced that over 500 hours of video are uploaded every minute on the platform, which means that over 720,000 hours of video are uploaded every day. This means that the total number of videos on the platform continues to grow at a rapid pace. Including educational videos, interesting podcasts and news that may interest us, but which are often not fully accessible to any person due to a number of problems

Problems to solve

1

Not all videos from open sources have a transcription in the required language. Therefore, most videos remain inaccessible to every person, located anywhere in the world.

2

Video in a foreign language, even if there is a transcription in the corresponding language, is practically inaccessible to people with low vision. Therefore, for such people, it is necessary that any video they need, must be presented in their language

3

There is a big problem in the world of studying endangered languages or extinct languages. There are a large number of endangered languages around the world, and efforts to preserve and restore them continue around the world.

Scientists have proven that the best effort to save a language is to teach the language from childhood through a variety of materials, including dubbing and voice over cartoons.

But dubbing and voice acting of cartoons today is a high expense, unbearable for many countries and small republics, where, basically, the language is dying out.

Today, there are about 3-4 thousand endangered and disappearing languages

Who is interested?

1

Content Makers (Youtubers,
Bloggers)

3

TV channels, Platforms such as
Learning, Streaming etc

2

Individual learners, Teachers,
Students

4

People with low vision

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Project objective

Make available any open source video for every person, including those with disabilities. Help promote the conservation of endangered or endangered languages

Our product

1

Front

Clients go to our website, where they can paste the URL or video itself and select the desired language for translation

2

Model

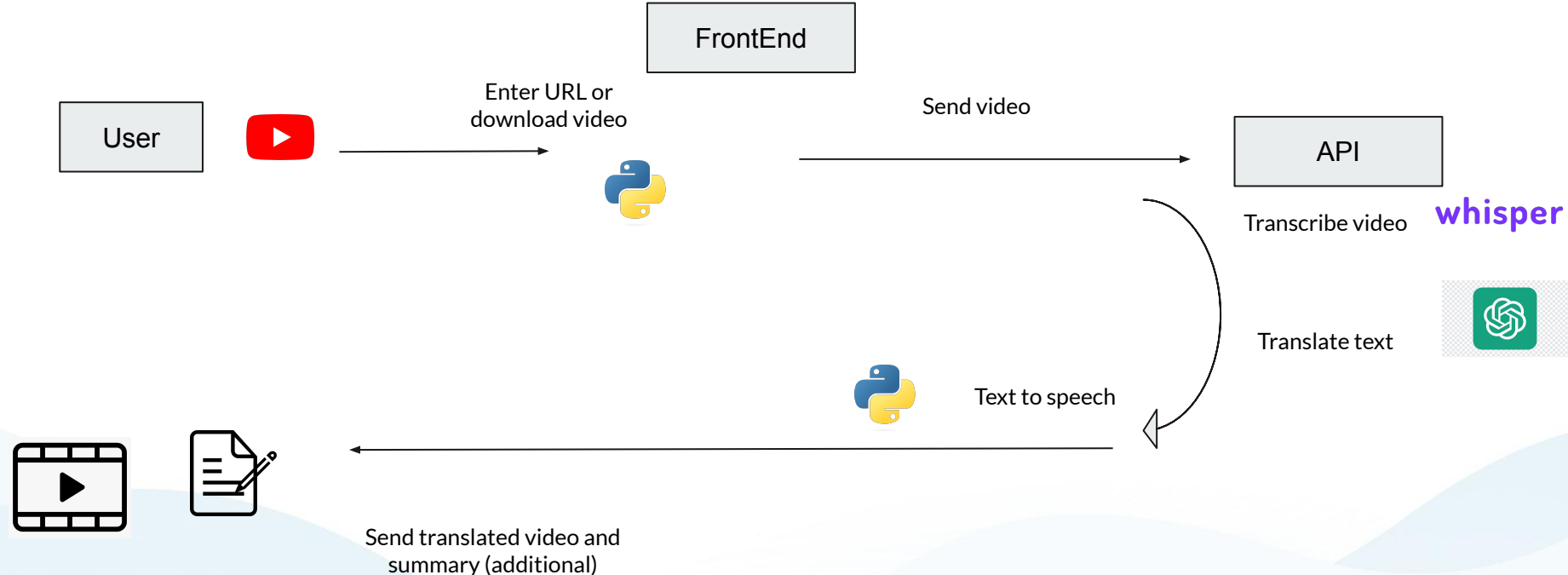
The model using ChatGPT automatically determines the language for generation, translates into the required language. Also, the model automatically determines intonation, pronunciation speed, age, gender of the speaker and could make sample of own voice

3

Result

The client receives the video in the language selected at the beginning.
For the future, we want to link our site to virtual assistants so that videos are accessible to people with disabilities. And also connect the ability to translate into all languages of the world

Scheme

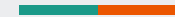




Team

The team has more than 5.5 years of experience in building AI/ML models using various technologies in the field of the financial market, industrial companies, product analytics and startups





Thank you.

