

Speech-to-speech - translator

Communication barriers are a significant global issue that restrict access to information across regions, thereby limiting individuals from benefiting from knowledge shared in other areas.

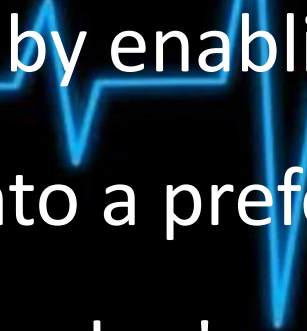
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For example, non-English speakers struggle with English video/audio tutorials, despite their potential to help solve their pressing issues.



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Verbify solves this problem by enabling seamless and easy translation of any speech into a preferred language, while preserving the speaker's authenticity.



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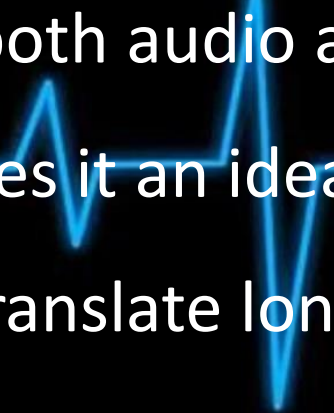
As a result, creators can expand their audience, and students can access information from any part of the world.

What is Verbify?

Verbify is a Flask web app that utilizes OpenAI's Whisper, GPT-3.5-Turbo, and Eleven Labs to enable audio and video file translation into an audio output in any desired language.

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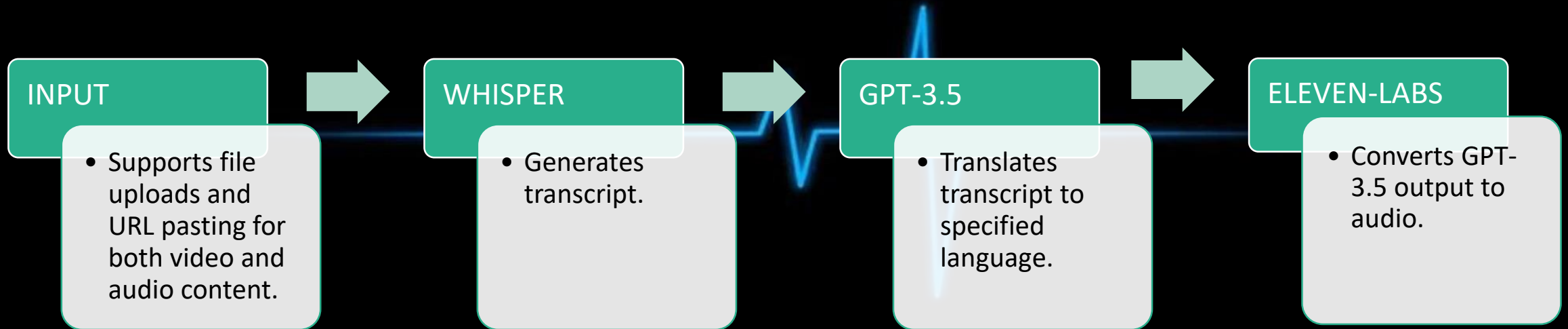
Verbify is capable of processing both audio and video files that are up to an hour in duration. This makes it an ideal solution for individuals and organizations seeking to translate longer speeches, lectures, interviews, and other forms of spoken content.



Usage Instructions

- Upload the audio or video file or paste a YouTube or audio link.
- Input the desired language for translation.
- Click on "Translate".
- Wait for a few minutes while Verbify generates the transcript, translates it to the specified language, and converts it to audio.
- Once the process is complete, you can listen to the translated audio.

Architecture



Technical details

FLASK: Used to create web routes and handle HTTP requests.

FLASK-SOCKETIO: Enables real-time communication between the client and server.

PYTUBE: Downloads YouTube videos when the user submits a YouTube link.

Technical details

PYDUB: Splits audio or video into 10-minute chunks.

WHISPER: Transcribes each segment.

NLTK: Tokenizes text into sentences of 3000 tokens.

GPT-3.5: Translates text into any language.

ELEVENLABS: Generates speech in the new language.

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Verify

Audio to Audio Translation

Translate audio to any language within minutes, and break language barriers.

Video file?

Choose File No file chosen

Submit

YouTube video?

Enter the URL of a YouTube video:

Submit

Audio file?

Choose File No file chosen

Submit

Audio link?

created in
wave.video

Type here to search

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