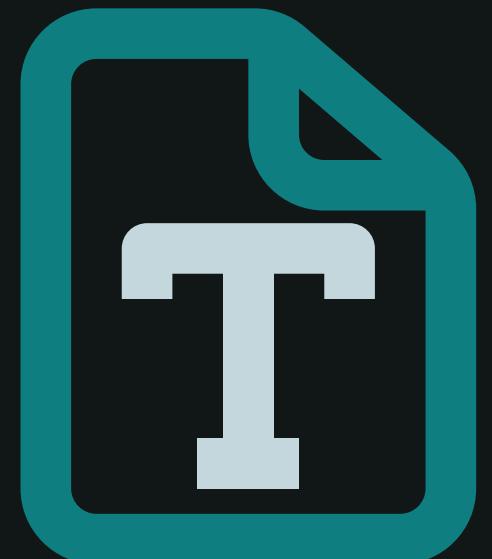
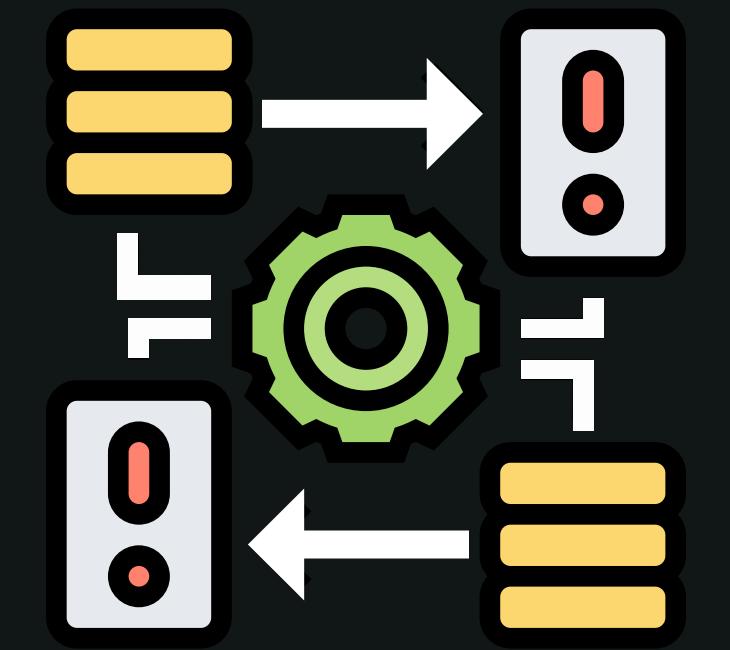


AUTEKSCRIBE

AUDIO TO TEXT CONVERTER

MADE BY:
Techphantoms

Aakarsh Sharma
Andre Nazareth
Shoydon Alphonso
Sahil Bhodke
Shreyas Keni
Bilal Ahmed



ABOUT THE PROJECT

AUDIO TO TEXT CONVERTER

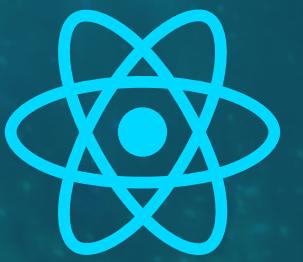
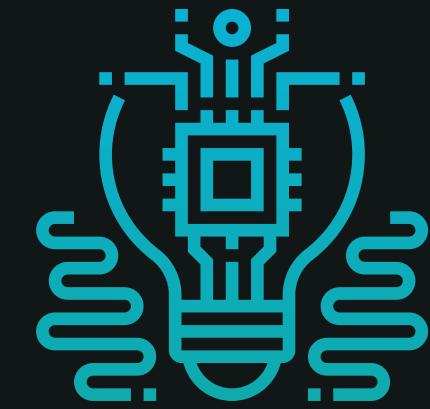
In this project we have used various technologies to create an audio to text converter.

This system accepts various audio file formats (eg. .mp3, .wav, etc.) and converts it into text and this text can also be downloaded into a .txt file

We have used various AI/ML algorithms to perform the conversion

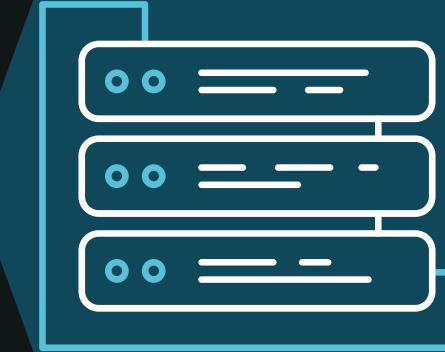
[Read More >>](#)

TECH STACK



Front-end

For the front-end, we have used
ReactJS



mongo

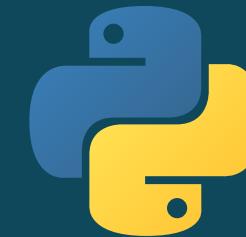
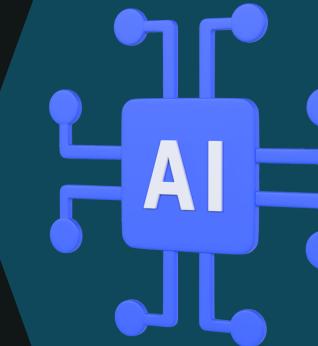
Database Administration

For Login and Signup systems



Authentication

The login and signup are
authenticated using NodeJS



AI/ML

We have used Python libraries like
flask , liborsa, torch, numpy,
skypy, pydub

FEATURES



TRANSCRIBE AUDIO FAST

Our online audio to text converter only takes a couple of minutes to work, making it a lot faster than manual transcription or traditional apps that need to be downloaded and installed.



GENERATE TRANSCRIPTS AND SUBTITLES

Autexcribe lets you save your audio transcript in a variety of formats, including more than five different types of subtitle file, making it a great way to generate perfectly synchronized subtitles for your videos.



CONVERT AUDIO TO TEXT ANYWHERE

Since Auxtribe is browser based, it will run smoothly on any device, be it a Mac, a Windows laptop or even a Chromebook.



TRANSCRIBE AUDIO TO TEXT FOR FREE

Since Auxtribe is browser based, it will run smoothly on any device, be it a Mac, a Windows laptop or even a Chromebook.

FUTURE SCOPE



CLASSROOM TRANSCRIPTS

Speech recognition can be used to create transcripts of lectures and classroom discussions.

STUDY AIDS

Creating materials for study and test prep is another domain where speech recognition can help.

VIDEO SUBTITLES & CAPTIONING

Speech recognition can also be used to create subtitles for educational videos. This is helpful for students who are deaf or hard of hearing.



ARCHITECTURE

The architecture describes how the system has been created and how it will process the user's data to give him the desired output

- **CLIENT ARCHITECTURE**

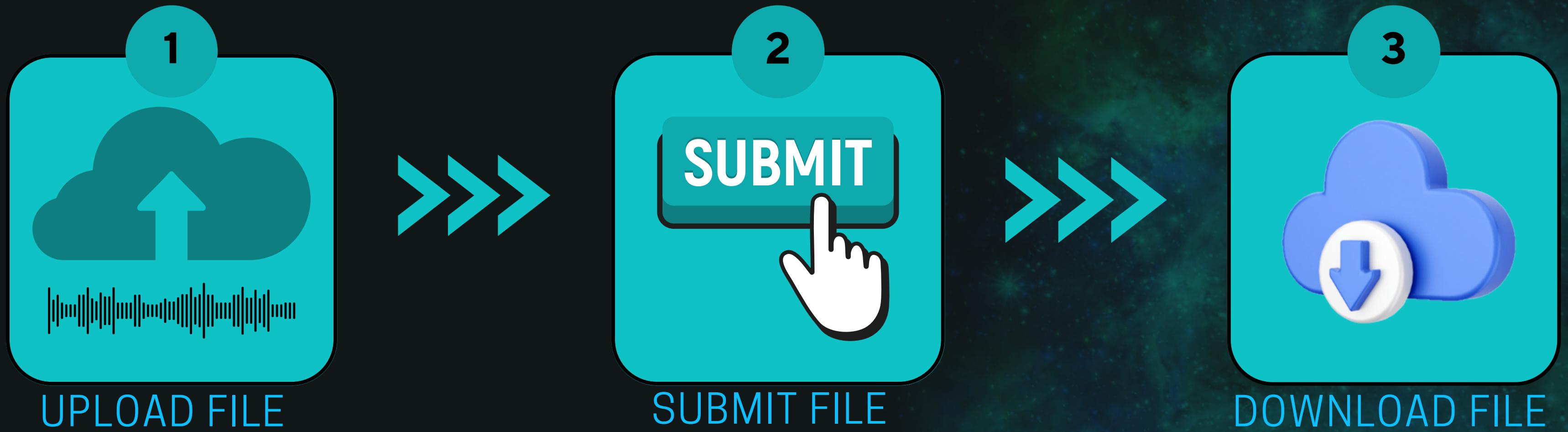
This will show you how the client should use the website for their purpose

- **WORKING MODEL**

This will show the actual working of the website which will happen after user inputs the audio file

CLIENT ARCHITECTURE

This block diagram will show you how the client should use the website for their purpose



The user will have to upload the audio file which he wants to transcribe

After clicking on the submit button, the file will be uploaded

The website will perform the algorithms to convert the audio into text and the user will be able to download the transcript

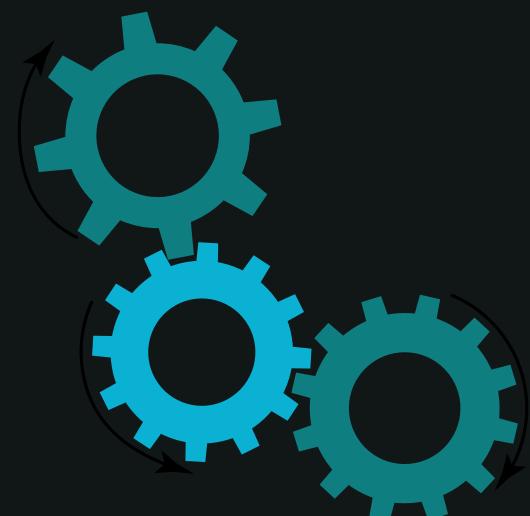
WORKING MODEL

This block diagram will show you how the client should use the website for their purpose



UPLOAD FILE

The user can upload file in any format he is comfortable with.



PREPROCESSING

It basically removes white noise and unnecessary noise for better working.



SUPERVISED LEARNING

It retrieves output using the ai/ml model using supervised learning



OUTPUT

After working on AI/ML , The user will get the output on the screen, It can be downloaded in .txt format.

CONCLUSION

In conclusion, we have successfully made an audio to text converter that can perform the necessary calculation and transcribe the audio file inputted with maximum accuracy



GET IN TOUCH WITH US



PHONE NO.

9867332740 (Aakarsh Sharma)



GITHUB REPOSITORY

<https://github.com/Aakarsh-24/SainyaHackAIML2.0>



COLLEGE NAME

Fr. Conceicao Rodrigues College of Engineering



THANK YOU

