Project : AI Speech Module  
  
Today Update:

- I tried to using the model text-to-speech but getting the problem with that model , we try to used the model con “coqui/XTTS-v2” but it want python version “python3.10” but I am used the python3.12, for solve this problem I am try to another TTS model but some have dependency on other files but that files are not present in their respository, athoer option we doing that install the old version and create the virtual environment in that but that also not work.  
So, we used thr fronted functionality for this text to speech.

- Create the all apis are below:-

* POST /register
* POST /login
* GET /logout
* GET /users/{user\_id}
* GET /me
* PUT /users/{user\_id}
* DELETE /users/{user\_id}
* POST /forgot-password
* POST /generate-prompt
* GET /grammar-score?username={username}
* GET /test
* GET /

- In which I am stored the all the audio in audio\_folder, filter with the username.

- handle the database according to user\_id and make essay table as well in which data stored with reference of user\_id in table users.

-attach the model “openai/whisper v3” with using huggingface api key. And it convert the text into speech.

- For emotion detector I am used the model “ehcalabres/wav2vec2-lg-xlsr-en-speech-emotion-recognition” which help in getting the emotion in function detect\_emotion.

-handle the pydantic model also for data validation.

-Using Redis credentials which is provided by the client.

- Handled all things with fronted where fronted done till the show text after hit on url generate-promp.

- And try to lots of another models according to client. But getting some system problem and some models are not still able to working properly and give the error.

- Try to using gemini api for handle other stuff.