VIDHYA PREMANAND

Final Project

PROJECT TITLE

AUDIO TO TEXT OF A CONVERSAWITH SEGMENTED AUDIO OF EACH

AGENDA

1.PROBLEM STATEMENT
2.PROJECT OVERVIEW
3.WHO ARE THE END USERS
4.SOLUTION AND ITS VALUE PROPOSITION
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PROBLEM STATEMENT

➢ The problem is to create a solution that transcribes audio conversations into text while also segmenting the audio file into smaller chunks based on pauses or speaker turns.

➢ This segmented audio output enhances usability, making it easier for users to navigate and review the conversation efficiently.

➢ The model also provide the conversation as like an a text format for each person.

PROJECT OVERVIEW

➤ **The project developed a solution to transcribe audio conversations into text while segmenting the audio file into smaller chunks for easier review.**

➤ **Achievements include high accuracy in transcription, effective segmentation algorithms, and scalable architecture.**

➤ **Challenges included variability in audio quality and compliance with privacy regulations.**

➤ **Future directions include refining algorithms, integrating NLP techniques, and collaborating with domain experts for further enhancements.**

➤ **Overall, the solution offers significant potential for various applications and continued refinement will enhance its capabilities.**

WHO ARE THE END USERS?

➢ **Business Professionals**

➢ **Researchers and Academics**

➢ **Legal Professionals**

➢ **Language learners**

➢ **Healthcare professionals**
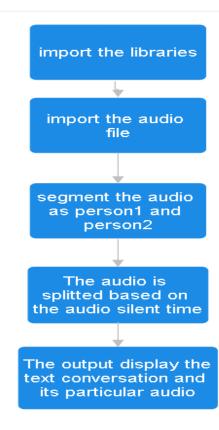
SOLUTION AND ITS VALUE PROPOSITION

- **Our solution accurately transcribes audio conversations into text format and segments the audio file for enhanced usability.**
- **It saves time, offers scalability, customization options, and ensures privacy and security.**
- **This project is also used for the proper convertion of audio into a text format.**

THE WOW IN YOUR SOLUTION

➢ **This model will provide an accurate audio in a text format.**
➢ **It is provide the segmented audio of each person.**
➢ **This is more efficient .**
➢ **This model provides accurate text format.**

MODELLING

import the libraries

↓

import the audio file

↓

segment the audio as person1 and person2

↓

The audio is splitted based on the audio silent time

↓

The output display the text conversation and its particular audio

RESULTS

Person 1 - Segment 1: 'good morning'

▶ 0:00 / 0:00 ━━━━━━━━━━ 🔊 ⋮

Person 2 - Segment 1: 'good morning'

▶ 0:00 / 0:00 ━━━━━━━━━━ 🔊 ⋮

Person 1 - Segment 2: 'nice to meet you'

▶ 0:00 / 0:01 ━━━━━━━━━━ 🔊 ⋮

Person 2 - Segment 2: 'nice to meet you'

▶ 0:00 / 0:01 ━━━━━━━━━━ 🔊 ⋮

Demo Link