

Audio Transcription App using Open AI Whisper

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Problem Statement:

- Manual Transcription is slow and Error prone
- Existing solutions are expensive
- Need for accurate and Real-time transcription
- Real-Time Multilingual Audio Transcription and Sentiment Analysis App

Solution Provided:

- AI-powered Transcription using open AI whisper
- Fast, accurate, Multilingual support
- Affordable and Scalable

Approach:

- Speech-to-text using Whisper API
- Real-time and batch processing
- Integration with apps (Mobile/Web)
- Post processing for better accuracy

Techstack:



Python



StreamLit



Fast API



Whisper



Uvicorn

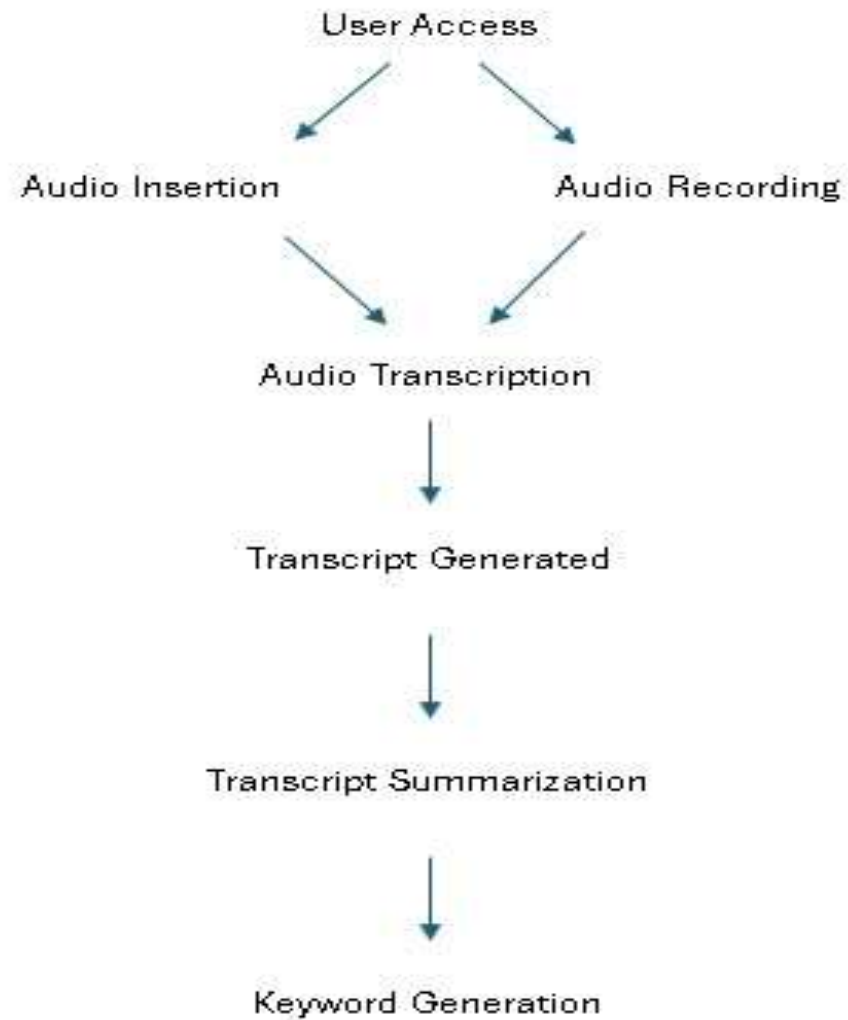
Features:

- Real-time transcription
- Punctuation & formatting
- Export options (txt,pdf,docx)
- Transcript Summarization
- Key Word identification

Use Cases:

- Meetings & Conferences
- Academics & Accessibility
- Customer support
- Journalists & Podcasters

User Flow :



Literature Review

- Transcription From Music Audio:
<https://ieeexplore.ieee.org/abstract/document/4156215>
- Transcription of audio recordings:
<https://dspace.mit.edu/handle/1721.1/67363>
- WhisperX Transcription of Long-Form Audio
<https://arxiv.org/abs/2303.00747>

THANK YOU