



**MALLA REDDY ENGINEERING  
COLLEGE FOR WOMEN**

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Maisammaguda, Dhulapally, Secunderabad-500100

# Audio transcription app using Open Ai Whisper

Converting speech to text with AI

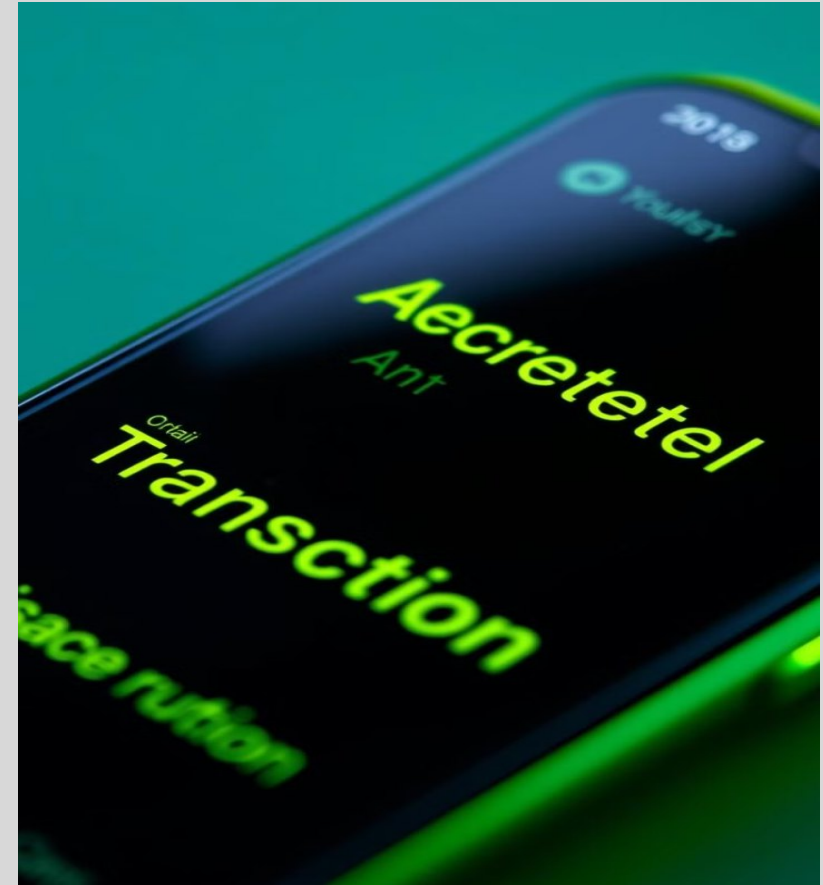
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# INTRODUCTION

- What is OpenAI Whisper?
- Whisper is an automatic speech recognition (ASR) system by OpenAI.
- It transcribes audio into text with high accuracy.
- Supports multiple languages and robust noise handling.

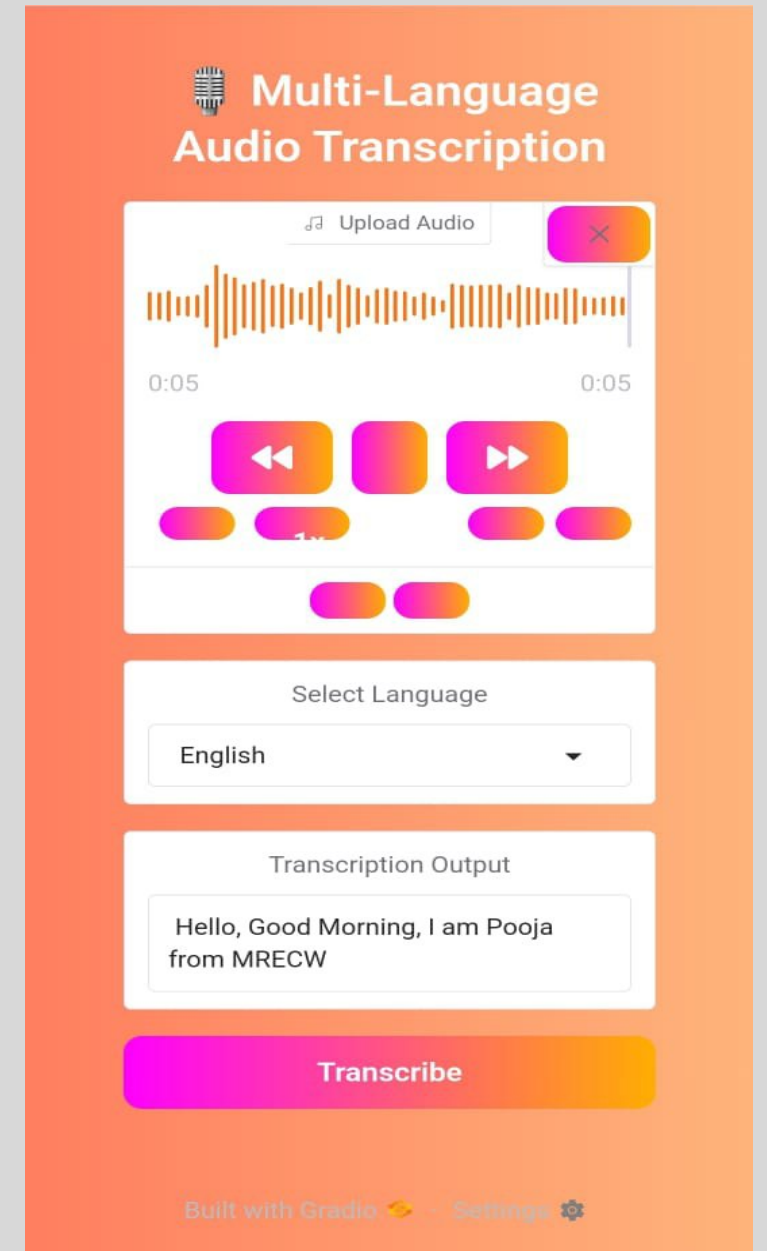
# Why we use Whisper for transcription

- High Accuracy: Trained on diverse datasets.
- Multilingual Support: Works with many languages.
- Noise Robustness: Can handle noisy environments.
- Open-Source: Free and customizable for developers.



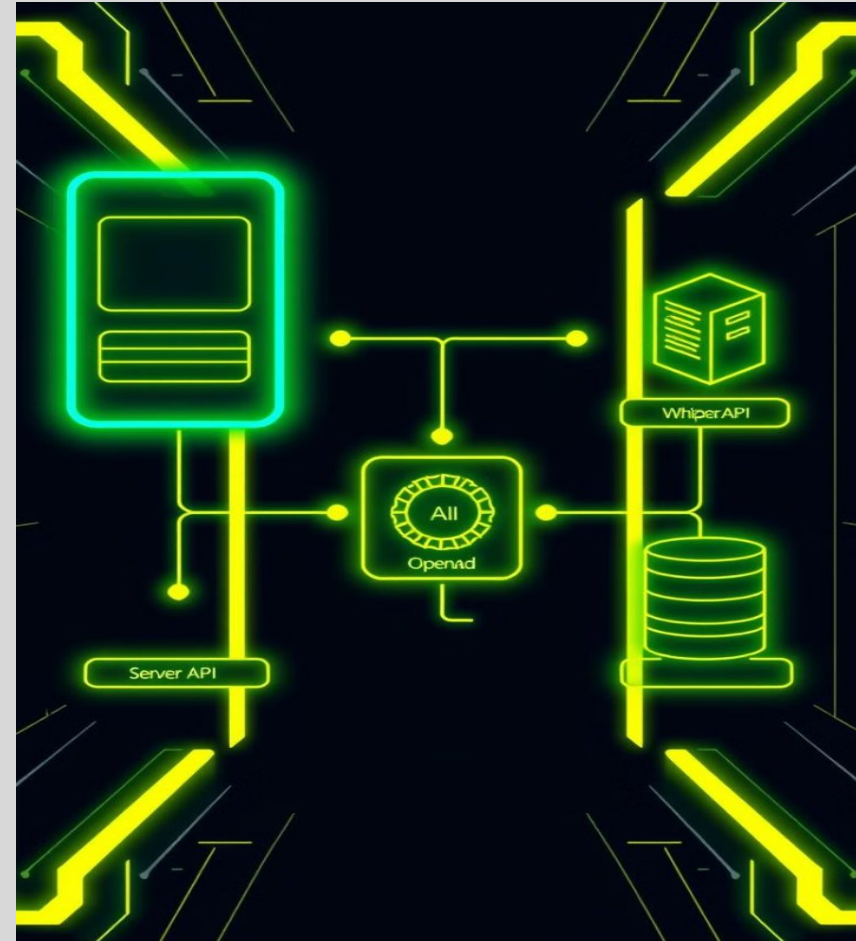
# How the App Works

- User uploads an audio file.
- App processes the file using Whisper.
- Whisper converts speech to text.
- The transcribed text is displayed/downloadable.



# App Architecture

- 1. User Uploads Audio (via Web/Mobile App)
- 2. Audio Sent to Backend API
- 3. Preprocessing (Format conversion, noise reduction)
- 4. Transcription via OpenAI Whisper API
- 5. Post-processing (Punctuation, corrections)
- 6. Store Transcribed Text in Database
- 7. User Views & Downloads Transcription



# Feature showcase

- User-Friendly Interface
- Audio Input OptionsUpload audio files (MP3, WAV, FLAC, etc.)
- High Accuracy
- Preprocessing & Post-processing
- Cloud Integration & Storage



# Real World Applications

- Education-Transcribe lectures, Webinars and interviews.
- Healthcare- Help doctors document patient notes and medical report
- Business & Meetings-Convert Zoom/Team meetings into written summaries



# CONCLUSION:

- An audio transcription app using OpenAI Whisper provides a powerful solution for converting speech into text with high accuracy. It enhances productivity across media, education, healthcare, legal, business, and accessibility sectors by automating transcription tasks.
- With real-time processing, multilingual support, and AI-driven accuracy, this technology improves efficiency, accessibility, and data management. As AI advancements continue, transcription applications will become even more integrated, intelligent, and widely adopted in various industries.



A photograph of a person's hands typing on a laptop keyboard. The person is wearing a blue and white striped long-sleeved shirt. The laptop screen is open and shows some text, but it is out of focus. In the background, there is a blurred office environment with a green plant and some papers on a desk. The overall lighting is soft and the colors are muted, giving it a professional yet warm feel.

**THANK  
YOU**