Module 3 - Topic 4

3.4.2 Text to Speech Models

Text to
Speech
Models

What are Text to Speech Models?

Text-to-speech (TTS) models are AI systems that convert written text into natural-sounding human speech.

- Synthesize human-like speech from written text input
- Handle multiple languages and voice variations
- Generate natural tone and emotional expression

Applications of TTS

Text-to-speech technology has transformed accessibility and content consumption across various platforms.

- Audiobook and podcast creation
- Navigation systems and virtual assistants
- Accessibility tools for visually impaired
- E-learning and educational content delivery

Popular Tools and Models

Leading solutions in this space are:

- ElevenLabs
- OpenAI TTS
- Google Cloud TTS
- PlayAI

Using TTS Models using API

ft. ElevenLabs