AI-Powered System for Translating Educational Content and Generating Regionally Accurate Subtitles

As digital education expands globally, language barriers continue to hinder access to learning for diverse linguistic communities. This project introduces an AI-powered system that transcribes, translates, and generates regionally accurate subtitles for educational content, enhancing accessibility and comprehension. The system integrates **AssemblyAI** for high-accuracy speech-to-text transcription, **DeepTranslator** for contextual language translation, and **FFmpeg** for seamless subtitle embedding. By leveraging advanced **Natural Language Processing (NLP)** and **Speech-to-Text (STT)** technologies, it ensures precise, context-aware translations and accurate subtitle synchronization. Scalable and adaptable, this solution aims to bridge the language gap in education, making knowledge more inclusive and universally accessible.

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