

AI Interview Analyzer - Documentation

Project purpose:

The AI Interview Analyzer converts interview audio or transcripts into actionable feedback.

Architecture:

- 1) Upload audio or paste transcript
- 2) (Optional) Transcribe using Whisper to get text
- 3) Send transcript to LLM (GPT) to obtain scores, summary, and suggestions

How to run the Streamlit app:

- 1) Install dependencies: `pip install -r requirements.txt` (streamlit, openai, whisper (optional), python-pptx, reportlab, pillow)
- 2) Set `OPENAI_API_KEY` environment variable
- 3) Run: `streamlit run app.py`

Prompt used (full):

You are an AI Interview Analyzer. Analyze the following transcript and create a structured report with these fields: 1) Interview Summary (3-5 sentences) 2) Tone: Positive/Neutral/Negative 3) Confidence Level (0-100) 4) Emotional Stability (0-100) 5) Scores (0-100): Clarity, Coherence, Vocabulary, Filler word usage (low is better) 6) Top 3 Strengths 7) Top 3 Improvements 8) Key points mentioned