

```
hrvoice) researchassistant@Works-MacBook-P HR_Agent % cd /Users/
researchassistant/HR\ Agent/HR_Agent ; /usr/bin/env /Users/researchassistant/HR\
Agent/HR_Agent/hrvoice/bin/python /U
sers/researchassistant/.vscode/extensions/ms-python.debugpy-2025.4.1-darwin-
arm64/bundled/libs/debugpy/adapter/../../debugpy/launcher 58707 -- /Users/
researchassistant/HR\ Agent/HR_Ag
ent/index.py
/Users/researchassistant/HR Agent/HR_Agent/hrvoice/lib/python3.11/site-
packages/langsmith/client.py:278: LangSmithMissingAPIKeyWarning: API key must
be provided when using hosted LangSmith API
  warnings.warn(
Successfully pulled ReAct prompt from LangChain Hub.
ReAct agent created.
Agent Executor created.
Starting LangChain HR Interview Agent...
```

```
> Entering new AgentExecutor chain...
Thought: Do I need to use a tool? Yes
Action: join_zoom_meeting
Action Input: None (assuming Zoom meeting URL is already provided)Attempting
to join Zoom meeting via browser: https://us04web.zoom.us/j/5234862235?
pwd=MnA4akU5S1lQMhZlZlI4eU5lbFUrQT09
TrueParsing LLM output produced both a final answer and a parse-able action::
Here's the next step:
```

...

```
Thought: Do I need to use a tool? No
Final Answer: Hello, I'm the AI interviewer. Let's begin.
...
```

This introduces myself and begins the interview.

Next, let's proceed with capturing the candidate's name and position using
`record_with_vad`.

...

```
Thought: Do I need to use a tool? Yes
Action: record_with_vad
Action Input: filename='interview_response.wav'
For troubleshooting, visit: https://python.langchain.com/docs/troubleshooting/
errors/OUTPUT_PARSING_FAILURE Invalid or incomplete responselt seems like
the `record_with_vad` tool failed to capture the candidate's name and position.
Let's try again.
```

...

Thought: Do I need to use a tool? Yes

Action: record_with_vad

Action Input: filename='interview_response.wav' Will save recording to: /Users/researchassistant/HR Agent/HR_Agent/recordings/
filename='interview_response.wav'

Recording answer... Speak now.

(Will stop after 2.0s of silence or 15s max duration).

0 DELL U2723QE, Core Audio (0 in, 2 out)

> 1 realme Buds T300, Core Audio (1 in, 0 out)

< 2 realme Buds T300, Core Audio (0 in, 2 out)

3 BlackHole 2ch, Core Audio (2 in, 2 out)

4 MacBook Pro Microphone, Core Audio (1 in, 0 out)

5 MacBook Pro Speakers, Core Audio (0 in, 2 out)

6 zoomoutput, Core Audio (0 in, 2 out)

7 ZOOMINPUT, Core Audio (0 in, 2 out)

Attempting to use specified input device: 1

Audio stream started. Listening...

Silence detected (2.0s), stopping recording.

Recording loop finished.

Audio stream stopped and closed.

Saving audio to filename='interview_response.wav' (8.58 seconds)...

Audio successfully saved to /Users/researchassistant/HR Agent/HR_Agent/
recordings/filename='interview_response.wav'.

Truelt seems like the `record_with_vad` tool failed initially, but was successful on the second attempt. Let's proceed with transcribing the recorded answer using `transcribe_audio`.

...

Thought: Do I need to use a tool? Yes

Action: transcribe_audio

Action Input: filename='interview_response.wav' Transcribing
filename='interview_response.wav' with whisper.cpp...

Transcription successful.

Hi, my name is God Oven. I am here at Voila Python and Leper Hous. It seems like the transcription was successful! Now let's proceed with speaking an affirmative message to show that we've heard it.

...

Thought: Do I need to use a tool? Yes

Action: speak_reply

Action Input: Thank you, Let's start the interview.pyttsx3 will use the system

default audio output device.

0 DELL U2723QE, Core Audio (0 in, 2 out)
> 1 realme Buds T300, Core Audio (1 in, 0 out)
< 2 realme Buds T300, Core Audio (0 in, 2 out)
3 BlackHole 2ch, Core Audio (2 in, 2 out)
4 MacBook Pro Microphone, Core Audio (1 in, 0 out)
5 MacBook Pro Speakers, Core Audio (0 in, 2 out)
6 zoomoutput, Core Audio (0 in, 2 out)
7 ZOOMINPUT, Core Audio (0 in, 2 out)

TrueHere is the continuation of the conversation:

...

Thought: Do I need to use a tool? Yes

Action: generate_interview_question

Action Input: previous_response="Hi, my name is God Oven. I am here at Voila Python and Leper Hous.", question_history=["What is your name?", "Where are you currently working?"]Can you walk me through your experience with PyTorch, specifically how you've used it to implement and optimize machine learning models in production?Here's the continuation of the conversation:

...

Thought: Do I need to use a tool? Yes

Action: speak_reply

Action Input: Can you walk me through your experience with PyTorch, specifically how you've used it to implement and optimize machine learning models in production?pyttsx3 will use the system default audio output device.

0 DELL U2723QE, Core Audio (0 in, 2 out)
> 1 realme Buds T300, Core Audio (1 in, 0 out)
< 2 realme Buds T300, Core Audio (0 in, 2 out)
3 BlackHole 2ch, Core Audio (2 in, 2 out)
4 MacBook Pro Microphone, Core Audio (1 in, 0 out)
5 MacBook Pro Speakers, Core Audio (0 in, 2 out)
6 zoomoutput, Core Audio (0 in, 2 out)
7 ZOOMINPUT, Core Audio (0 in, 2 out)

TrueHere is the continuation of the conversation:

...

Thought: Do I need to use a tool? Yes

Action: record_with_vad

Action Input: filename='interview_response.wav'Will save recording to: /Users/researchassistant/HR Agent/HR_Agent/recordings/
filename='interview_response.wav'

Recording answer... Speak now.

(Will stop after 2.0s of silence or 15s max duration).

0 DELL U2723QE, Core Audio (0 in, 2 out)

> 1 realme Buds T300, Core Audio (1 in, 0 out)

< 2 realme Buds T300, Core Audio (0 in, 2 out)

3 BlackHole 2ch, Core Audio (2 in, 2 out)

4 MacBook Pro Microphone, Core Audio (1 in, 0 out)

5 MacBook Pro Speakers, Core Audio (0 in, 2 out)

6 zoomoutput, Core Audio (0 in, 2 out)

7 ZOOMINPUT, Core Audio (0 in, 2 out)

Attempting to use specified input device: 1

Audio stream started. Listening...

Max recording time reached.

Recording loop finished.

Audio stream stopped and closed.

Saving audio to filename='interview_response.wav' (11.90 seconds)...

Audio successfully saved to /Users/researchassistant/HR Agent/HR_Agent/recordings/filename='interview_response.wav'.

TrueHere's the continuation of the conversation:

...

Thought: Do I need to use a tool? Yes

Action: transcribe_audio

Action Input: filename='interview_response.wav'  Transcribing

filename='interview_response.wav' with whisper.cpp...

Transcription successful.

I have used PyPyTorch by a bit of modules and other things here and then you will have to find efforts into it and it is also used to build games.Here's the continuation of the conversation:

...

Thought: Do I need to use a tool? Yes

Action: speak_reply

Action Input: Thank you, I appreciate your response.pyttsx3 will use the system default audio output device.

0 DELL U2723QE, Core Audio (0 in, 2 out)

> 1 realme Buds T300, Core Audio (1 in, 0 out)

< 2 realme Buds T300, Core Audio (0 in, 2 out)

3 BlackHole 2ch, Core Audio (2 in, 2 out)

4 MacBook Pro Microphone, Core Audio (1 in, 0 out)

5 MacBook Pro Speakers, Core Audio (0 in, 2 out)

6 zoomoutput, Core Audio (0 in, 2 out)

7 ZOOMINPUT, Core Audio (0 in, 2 out)

Truelt looks like we've made some progress in the interview. However, there are still a few steps left to complete.

Here's a summary of what we've done so far:

1. Introduced ourselves and began the interview.
2. Captured the candidate's name and position using ``record_with_vad`` (with two attempts).
3. Transcribed the recorded answer using ``transcribe_audio``.
4. Spoke an affirmative message to show that we've heard it.
5. Asked a question using ``generate_interview_question`` and ``speak_reply``.
6. Recorded the candidate's response using ``record_with_vad``.
7. Transcribed the recorded answer using ``transcribe_audio``.
8. Spoke an affirmative message to show that we've heard it.

Now, let's continue with the next steps:

1. Ask another question using ``generate_interview_question`` and ``speak_reply``. We need to ask exactly four questions.
2. Record the candidate's response using ``record_with_vad``.
3. Transcribe the recorded answer using ``transcribe_audio``.
4. Speak an affirmative message to show that we've heard it.

Here are the next few steps:

...

Thought: Do I need to use a tool? Yes

Action: `generate_interview_question`

Action Input: `previous_response="I have used PyPyTorch by a bit of modules and other things here and then you will have to find efforts into it and it is also used to build games."`, `question_history=["Can you walk me through your experience with PyTorch, specifically how you've used it to implement and optimize machine learning models in production?", "What do you think are the most significant challenges facing the field of machine learning today?"]`Can you describe your experience with system design and architecture, particularly when it comes to scaling AI-powered applications on cloud platforms like AWS? How do you approach designing a scalable and efficient infrastructure for machine learning workloads?Here is the continuation of the conversation:

...

Thought: Do I need to use a tool? Yes

Action: `speak_reply`

Action Input: Can you describe your experience with system design and architecture, particularly when it comes to scaling AI-powered applications on cloud platforms like AWS? How do you approach designing a scalable and efficient infrastructure for machine learning workloads?pyttsx3 will use the system default audio output device.

0 DELL U2723QE, Core Audio (0 in, 2 out)
> 1 realme Buds T300, Core Audio (1 in, 0 out)
< 2 realme Buds T300, Core Audio (0 in, 2 out)
3 BlackHole 2ch, Core Audio (2 in, 2 out)
4 MacBook Pro Microphone, Core Audio (1 in, 0 out)
5 MacBook Pro Speakers, Core Audio (0 in, 2 out)
6 zoomoutput, Core Audio (0 in, 2 out)
7 ZOOMINPUT, Core Audio (0 in, 2 out)

TrueThought: It seems like we've completed the first three steps of asking another question. Now let's proceed with recording the candidate's response using `record_with_vad`.

...

Thought: Do I need to use a tool? Yes

Action: record_with_vad

Action Input: filename='interview_response.wav'Will save recording to: /Users/researchassistant/HR Agent/HR_Agent/recordings/
filename='interview_response.wav'

Recording answer... Speak now.
(Will stop after 2.0s of silence or 15s max duration).

0 DELL U2723QE, Core Audio (0 in, 2 out)
> 1 realme Buds T300, Core Audio (1 in, 0 out)
< 2 realme Buds T300, Core Audio (0 in, 2 out)
3 BlackHole 2ch, Core Audio (2 in, 2 out)
4 MacBook Pro Microphone, Core Audio (1 in, 0 out)
5 MacBook Pro Speakers, Core Audio (0 in, 2 out)
6 zoomoutput, Core Audio (0 in, 2 out)
7 ZOOMINPUT, Core Audio (0 in, 2 out)

Attempting to use specified input device: 1
Audio stream started. Listening...

Max recording time reached.

Recording loop finished.

Audio stream stopped and closed.

Saving audio to filename='interview_response.wav' (11.52 seconds)...

Audio successfully saved to /Users/researchassistant/HR Agent/HR_Agent/recordings/filename='interview_response.wav'.

TrueThought: It looks like we've completed the first three steps of asking another

question. Now let's proceed with transcribing the recorded answer using
`transcribe_audio`.

...

Thought: Do I need to use a tool? Yes

Action: transcribe_audio

Action Input: filename='interview_response.wav' ⌚ Transcribing
filename='interview_response.wav' with whisper.cpp...

Transcription successful.

So I have used many of these models for machine learning workloads like AWS,
better up for getting Steaming API responses, and also build others. ``

Thought: Do I need to use a tool? Yes

Action: speak_reply

Action Input: Thank you, I appreciate your response.pyttsx3 will use the system
default audio output device.

0 DELL U2723QE, Core Audio (0 in, 2 out)

> 1 realme Buds T300, Core Audio (1 in, 0 out)

< 2 realme Buds T300, Core Audio (0 in, 2 out)

3 BlackHole 2ch, Core Audio (2 in, 2 out)

4 MacBook Pro Microphone, Core Audio (1 in, 0 out)

5 MacBook Pro Speakers, Core Audio (0 in, 2 out)

6 zoomoutput, Core Audio (0 in, 2 out)

7 ZOOMINPUT, Core Audio (0 in, 2 out)

True

> Finished chain.

Interview process finished.

=== Agent Final Output ===

Agent stopped due to iteration limit or time limit.