CORSEN AI Academy

Realtime API and Voice Agents

Course syllabus

Version 2026-11

Overview

This course covers Realtime API, Whisper, TTS, and building complete voice agents for telephony and assistants.

Learning objectives

- Establish a WebSocket session with the Realtime API and manage lifecycle events
- Stream bidirectional audio while handling interruptions and turn-taking management
- Transcribe and translate audio files with Whisper while optimizing quality based on language
- Generate speech with the TTS API by controlling voice, prosody, and speed
- Build a voice agent integrated with telephony and master its latency in production

Audience and prerequisites

Developers, engineers, and integrators looking to leverage ChatGPT via API in their applications.

Ability to read Python and JSON, command line basics. An API key from the OpenAI platform to try the examples.

Duration and format

Estimated duration : 45 min. 100% online self-paced course, accessible 24/7 from a browser. Progress saved, resume anytime. Estimated duration: 45 min.

Content

- Realtime API (5 lessons)
- Speech-to-Text with Whisper (4 lessons)
- Text-to-Speech (4 lessons)
- Voice Agents (5 lessons)

Assessment

Validation quizzes integrated into the course. Each lesson ends with its Key takeaways, supporting self-assessment.

Accessibility

Self-paced course accessible to people with disabilities: text content compatible with screen readers, keyboard navigation, and compliant contrasts. For any adaptation needs, email hello@corsen.ai.

Price and recognition

Free

Certificate of completion issued by Corsen AI.

Access time

Immediate after account creation and email confirmation.

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