CORSEN AI Academy

Prompt Engineering for Developers

Course syllabus

Version 2026-11

Overview

Covers system prompts, structured output, meta-prompting, Developer Mode, and prompt industrialization.

Learning objectives

- Write a structured system prompt and adjust temperature and top_p according to the targeted task
- Apply meta-prompting, self-consistency, and tree-of-thought on reasoning tasks
- Enforce an output format with JSON Schema and validate responses on the code side with Zod
- Extract structured entities using nested schemas, enumerations, and unions
- Industrialize a prompt catalog: versioning, A/B testing, and automated evaluation

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 OpenAI platform API key to try the examples.

Duration and format

Estimated duration : 2 h. 100% online self-paced course, accessible 24/7 from a browser. Progress saved, resume anytime. Estimated duration: 2 h.

Content

- System Prompts (4 lessons)
- Advanced Techniques (5 lessons)
- Structured Output Patterns (4 lessons)
- Industrialization (3 lessons)

Assessment

Application exercises provided throughout the lessons. Each lesson ends with its key takeaways to support self-assessment. A final quiz of 5 corrected questions at the end of the last lesson validates learning.

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.

Corsen AI — Paris, France — SIRET 10297040700015
academy@corsen.ai — https://academy.corsen.ai