

Prompt Engineering for AI Agents Syllabus

Foundations of Prompting

Description:

Learn what prompting really means, how your prompt influences the output, and why clear instructions really matter.

Outcome: Build Strong base understanding of prompting + clarity mindset.

Prompt Engineering Mindset

Description:

Shift from merely “asking questions” to “designing conversations” with intent, context, and goals.

Outcome:

Start thinking like a Prompt Engineer, and not just a casual user.

Anatomy of a Prompt

Description:

Break down prompts into instruction, context, examples, and output framing — the essential building blocks of a prompt.

Outcome:

Stop writing random prompts, and start building prompts that are structured.

Frameworks

Description:

Use reusable prompt frameworks to standardize your approach across tasks and industries.

Outcome:

Create professional, repeatable prompts quickly.

Core Prompting Techniques

Description:

Master Zero-Shot, Few-Shot, Chain-of-Thought, ReAct, Self-Consistency, and more Prompting Techniques.

Outcome:

Handle complex reasoning and advanced tasks with ease using prompting techniques.

Prompt Patterns

Description:

Learn proven patterns like Persona, Template, Recipe, Outline, Context Layering and more.

Outcome:

Understand and implement the prompt patterns in your tools and LLMs

Prompt Chaining

Description:

Break complex tasks into multi-step prompts that deliver higher accuracy and deeper reasoning.

Outcome:

Learn to create prompts by breaking complex problems into multiple steps.

Dynamic, Contextual & Multimodal Prompting

Description:

Use variables, dynamic templates, and visual prompts to enhance output quality.

Outcome:

Design prompts that adapt to users, inputs, images, and contexts.

Prompting Attacks and Prevention

Description:

Understand about prompting attacks on AI Agents, like Prompt Injection, Jailbreaking etc and how to prevent them.

Outcome:

Learners are introduced to the Agent vulnerabilities, and how to reduce risks of prompting attack on AI Agent.

**This syllabus is subject to update by GyaniPandit as per the latest requirements in the business, with or without notifications being sent to the students.*

