

chatGPT Prompt Engineering

FA-0501 · 2-day

Agentic & Generative AI

Introduction

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This comprehensive 2-day course equips participants with the essential skills to engineer prompts effectively for ChatGPT. Participants learn to craft clear, specific instructions that influence AI model responses, customize prompts to achieve desired outcomes, and navigate advanced strategies for interactive conversations, complex queries, and summarization. Ethical considerations and bias mitigation techniques are also addressed. By course completion, participants are proficient in creating prompts that guide ChatGPT interactions, enabling responsible, tailored, and impactful AI-driven conversations.

Course Duration : 2 Days

Prerequisites

- Laptop with at least 4GB RAM
- Fast Internet

Learning Outcome:

- Understand the role and importance of prompt engineering in influencing AI model responses.
- Define the components of effective prompts: context, instructions, and constraints.
- Analyze examples of prompts to distinguish between successful and unsuccessful formulations.
- Develop the ability to craft clear and specific instructions to achieve desired AI outputs.
- Customize ChatGPT's responses by adjusting prompts for tone, style, and depth.
- Create prompts for complex queries and summarization, optimizing for information retrieval and generation.
- Master the skill of crafting prompts for interactive conversations that lead to engaging back-and-forth interactions.

- Gain awareness of ethical challenges in prompt engineering and the potential for biases.
- Learn strategies to mitigate bias and ensure fairness in AI interactions.

Training outline

1. Day 1: Foundations of Prompt Engineering for ChatGPT

Session 1: Introduction to Prompt Engineering

2. Explore the role of prompt engineering in shaping AI model responses.

3. Understand how well-crafted prompts can guide ChatGPT's output.

Session 2: Anatomy of Effective Prompts

4. Define the components of a successful prompt: context, instructions, and constraints.

5. Analyze examples of prompts that lead to desired and undesired outcomes.

Session 3: Crafting Clear and Specific Instructions

6. Learn techniques to formulate concise and precise instructions.

7. Experiment with prompt variations to influence ChatGPT's responses.

8. Day 2: Advanced Strategies for Guiding ChatGPT

Session 4: Customizing Responses with Prompts

9. Develop strategies for tailoring ChatGPT's tone, style, and

level of detail.

10. Create prompts that elicit responses aligned with specific requirements.

Session 5: Navigating Complex Queries and Summarization

11. Construct prompts for extracting detailed information or generating summaries.

12. Optimize prompts for encouraging coherent and informative responses.

Session 6: Prompts for Interactive Conversations

13. Design prompts to initiate engaging and contextually coherent conversations.

14. Learn techniques for prompting natural and dynamic back-and-forth interactions.

Session 7: Ethical Considerations and Bias Mitigation

15. Address ethical challenges in prompt engineering, including potential biases.

16. Explore ways to ensure fairness and responsible AI interactions.