AI4 WASTE

FOSTERING AWARENESS AND INNOVATION IN ADULT EDUCATION

2023-2-PT01-KA210-ADU-000184346

TOOLBOX

Prompt Engineering



sucessos criativos

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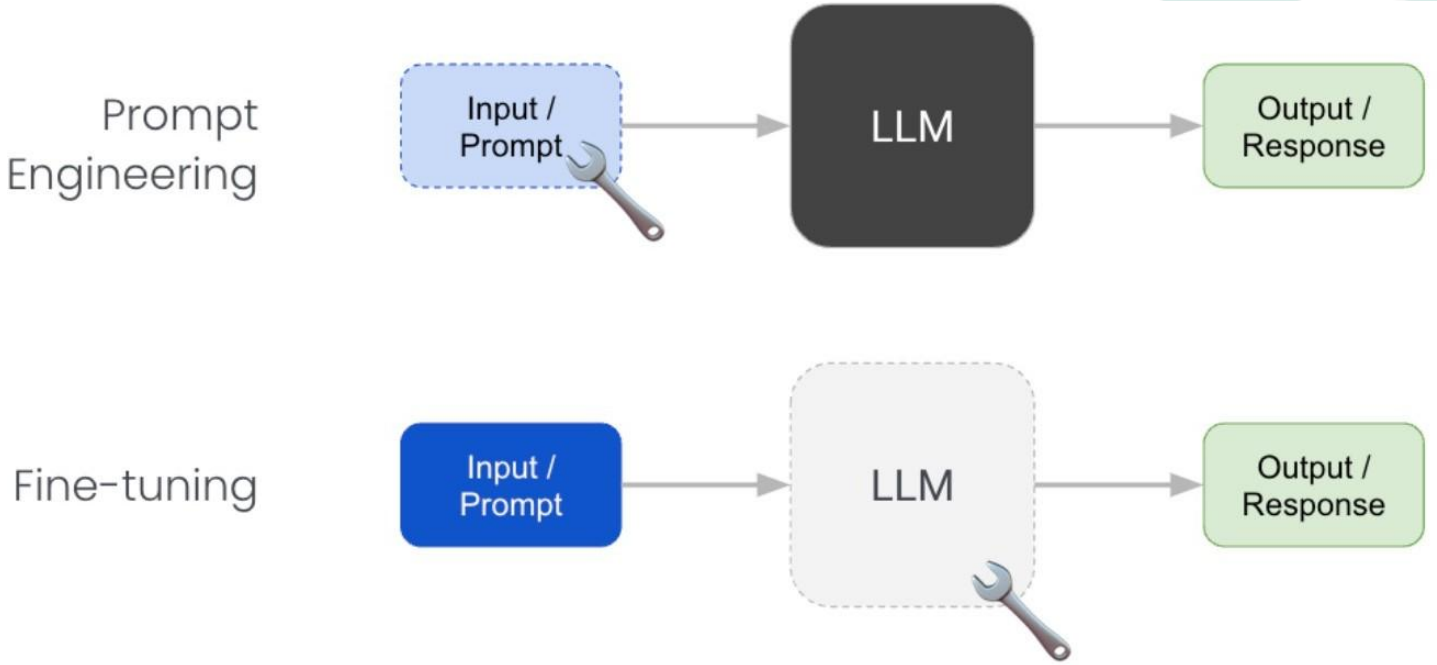
Prompt Engineering

Prompt engineering is the art of crafting precise and effective inputs to guide AI models in generating accurate and desired outputs. By using clear instructions, providing context, defining output formats, and experimenting with variations, users can optimize AI performance. It's a crucial skill for maximizing the potential of AI tools in problem-solving and creativity.

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Prompt Engineering



https://flyte.org/blog/fine-tuning-large-language-models-with-declarative-ml-orchestration

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Possible elements of a prompt

Instruction - a task or instruction to be performed by the model

Context - External information or additional context that can guide the model toward improved responses

Input Data - the input or question

Output - the type or format of the output

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Zero-Shot vs Few-Shot Prompting

Zero-shot prompting involves asking an AI model to perform a task without providing examples, relying on the model's pre-trained knowledge. In contrast, few-shot prompting includes a few examples in the prompt to guide the model's response. Zero-shot is quick and efficient, while few-shot enhances accuracy and contextual understanding for more complex tasks.

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Chain of thoughts prompting

Chain of Thought prompting involves guiding AI to reason through a problem step by step, improving its ability to handle complex tasks. By explicitly breaking down the thought process in the prompt, this method enhances logical reasoning and accuracy in generating detailed, structured responses.

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AI Hallucination

AI hallucination refers to instances where an AI model generates incorrect or nonsensical outputs that appear plausible.

How and why does AI hallucinate?

- The AI model is not trained on enough data to learn the correct patterns
- The AI model is not able to distinguish between real and fake data
- The AI model is biased towards certain types of outputs

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Staying Informed on AI Regulations

Next Steps

Following this presentation, we recommend exploring the "AI Act" to understand its implications and guidelines for the responsible use of artificial intelligence.

Why It Matters

The AI Act is a critical framework for shaping the future of AI in a way that ensures safety, accountability, and fairness.

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