Welcome to AI for Telco Part 4: Prompt Engineering Techniques

ANI_111d | On-Demand | Automation and Insights | Express
Course Duration: 1 hour

This eLearning course introduces the users to some of the prompt engineering techniques for most effective use of Large Language Model (LLM). The couse begins by introducing GenAI and LLMs, the anatomy of prompts, showing different types of prompts including open-ended, constrained, and zero-shot prompts. It reviews principles of effective prompting, focusing on techniques like clarity, context, and specificity. The course acquaints participants with advanced prompting techniques such as few-shot, Chain-of-Thought, Persona assigenment, Prompt templates, etc.

Intended Audience

Those looking for basic introduction to prompt engineering techniques.

Objectives

After completing this course, the learner will be able to:

- Identify the key components of effective prompts
- Write basic prompts
- Write basic prompts
- Compare and contrast prompt engineering techniques
- Identify the technique to use for a given scenario

Outline

1. GenAI review
1.1 GenAI and LLMs
1.2 Define key terms associated with GenAI
1.3 Applications of GenAI

2. Introduction to Prompt Engineering
2.1 The Magic of Prompts
2.2 Prompt Anatomy
2.3 Open-ended, constrained, and zero-shot prompts

3. Advanced Prompt Techniques
3.1 Zero-shot Prompts
3.2 Few-shot learning
3.3 Chain of Thought (CoT)
3.4 Assign Persona
3.5 Other techniques

4. Programming for Prompt Engineering
4.1 APIs for LLMs
4.2 LangChain, PromptChainer, Simpleaichat

5. Evaluating Prompts
5.1 Measuring prompt effectiveness
5.2 Refining prompts
5.3 Removing prompt ambiguity

6. Summary

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