AI Agent Prompt Engineering
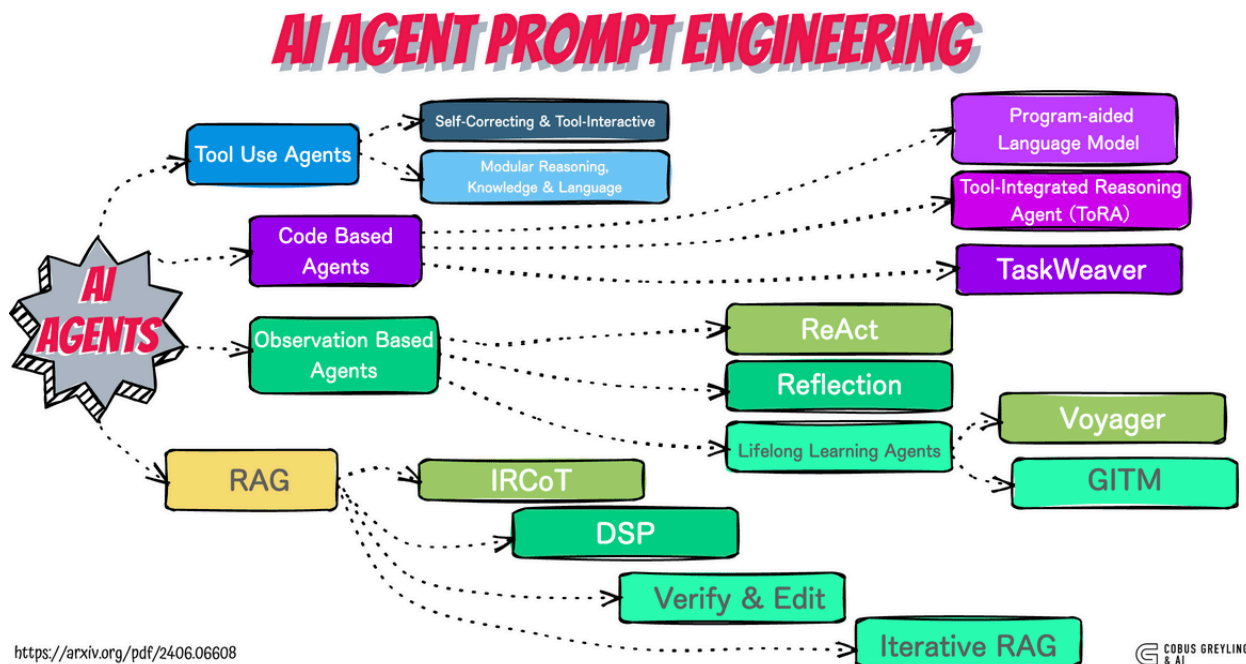
With all the hype surrounding AI Agents, it's easy to overlook that a prompt remains at the core of their operation.

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Prompt Engineering is crucial for AI agents utilising advanced techniques like Tool Use Agents, Modular Reasoning, ReAct (Reasoning and Acting) agents & Iterative Retrieval-Augmented Generation (RAG).

It defines how these agents deconstruct tasks, sequence tool usage & integrate external information to produce accurate outcomes.

In Modular Reasoning, well-designed prompts help break down complex problems into manageable sub-tasks, facilitating systematic and efficient execution.

For ReAct agents, prompts direct both reasoning and action, enabling agents to explain their decisions and iteratively refine their approach.

Likewise, Iterative Retrieval-Augmented agents rely on adaptive prompts to repeatedly fetch relevant information, enhancing accuracy and relevance throughout task completion.

Mentions by Author

- arxiv.org - The Prompt Report: A Systematic Survey of Prompting Techniques - Generative Artificial Intelligence (GenAI) systems are being increasingly deployed across all parts of industry and…