LLM Structured Output and function calling

How to use ChatGPT in our applications

How we use chatGPT

Open the chat

Ask a question

Copy the answer

Paste it somewhere else (document, presentation, code…)

How can we use chatGPT in our applications

If you ask the same or similar questions multiple times and use the answer somewhere else probably what you need is an application.

An example:

AIDA

Problem

Language models like chatGPT dont reply the same way every time

Hallucinations are a feature not a bug

If we're connecting the application to another API we need the output to be consistent

ChatGPT API, function calling and structured output

With this feature we make sure we have the answer in the same format every time and we can use chat gpt on our applications

How it works

Some examples

https://github.com/XesGaDeus/aulanosa-llm-structured-data

Tool generator: https://lunary.ai/tool-calls-generator

Pydantic models: https://python.useinstructor.com/, https://docs.pydantic.dev/latest/

Applications

Llm can use "tools" : Search the internet, connect to any API, perform calculations…

Frameworks, Agents, RAG, much more

Langchain

Llamaindex

CrewAI

Autogen

https://platform.openai.com/docs/guides/function-calling