



ChatGPT: Vertex Insights



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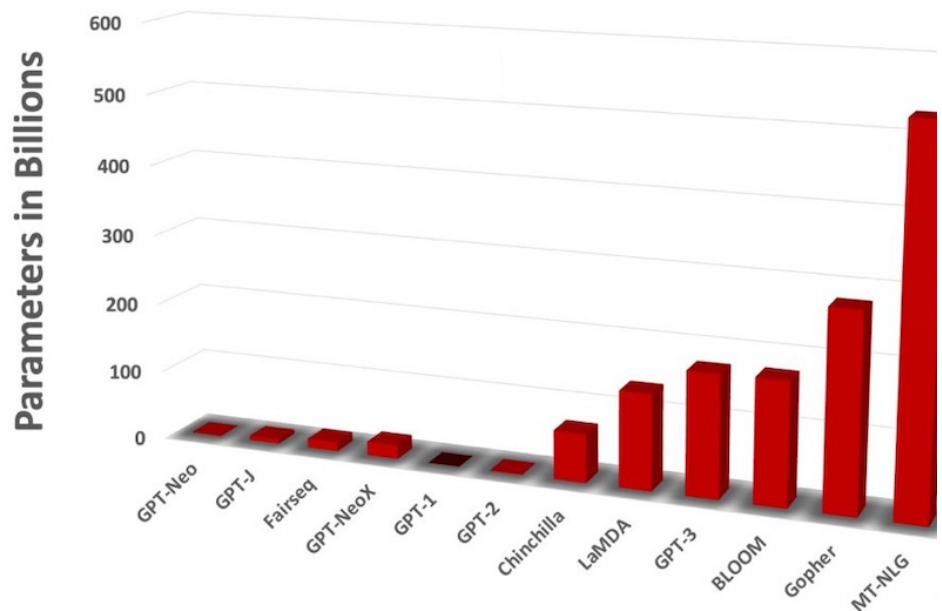
What is it?

ChatGPT is a chat interface on top of GPT 3.5 large language model – basically a chatbot. ChatGPT falls into the category of "Large Language Models." These models are trained on a large corpus of text to create billions of parameters for the model with the effort to make them able to understand human language and generate text on many topics.

How does it work?

ChatGPT starts with a model that was trained by OpenAI.com, the creators of ChatGPT. This uses technology known as Natural Language Processing (NLP). It is important to note that ChatGPT learns patterns in the text without being explicitly told what those patterns are.

Current Large Language Models



ChatGPT Works

prompt from the user, a small
to generate new text. The
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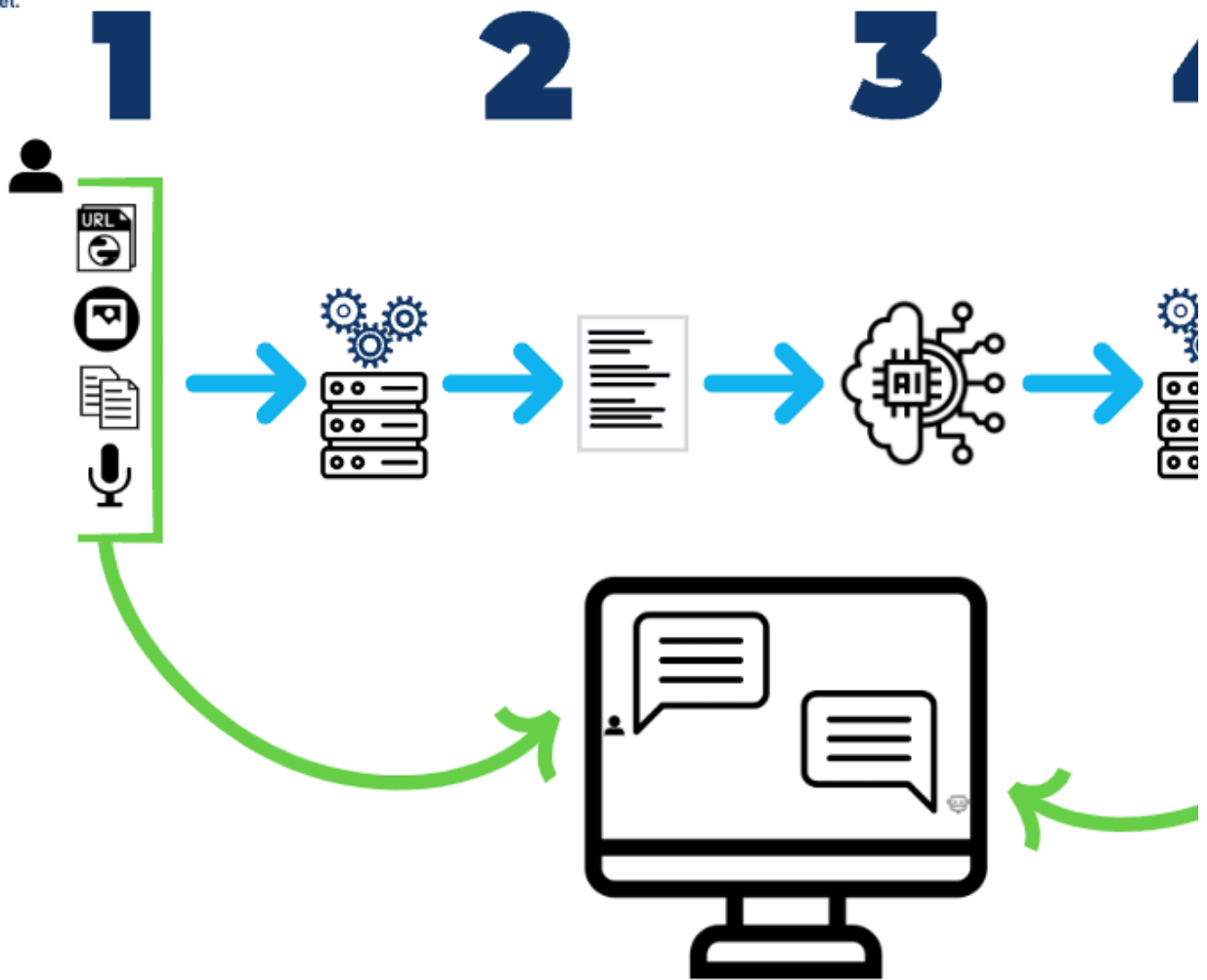
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In terms of the Artificial Intelligence definition of sense, think, and act, they AI senses the input prompt (Step 1 in the diagram), the ability to understand the prompt and predict / generate words is the thinking (Step 2), and the creating of text and formatting is the act (Steps 3-5).

What are its Limitations?

- Easily Overwhelmed
- Incorrect Answers
- Lack of Transparency
- Knowledge Ends in 2021
- There is no business version

What are other companies doing with these capabilities?

Our competitors are not integrating with GPT, but Microsoft has announced the [integration of Azure with OpenAI](#).

What has Vertex explored with this technology?

Vertex has experimented with GPT's coding and content development and found that while it performed well, it wrote worked and was good, but it came with faults. For example, the content it wrote was fraught with false information. The code that it wrote worked and was good, but it was perfect, nor was it deemed at the human level.

What is the potential intersection/Opportunity for Vertex?

- Content Creation and Comprehension
- App design
- Coding
- Text-related tasks

Next Steps

Integrating with ChatGPT or GPT is something that is still evolving, especially with the recent announcement of Azure's integration with OpenAI.

Integration could give us leverage in numerous areas of our business and lead to cost savings and increased efficiency. With that said, there are also numerous limitations that come with it that would need to be addressed.

******For more information check out the [in-depth ChatGPT article](#).

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