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Want to Dig Deeper into ChatGPT?

The AI Revolution as Your Assistant, Your Friend, Your Guide



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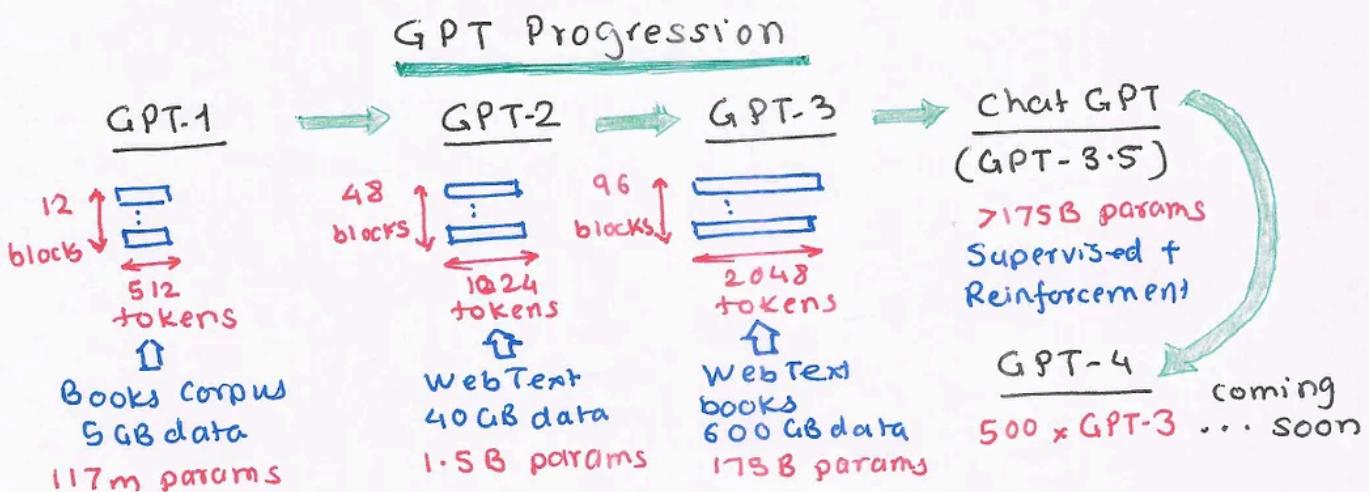
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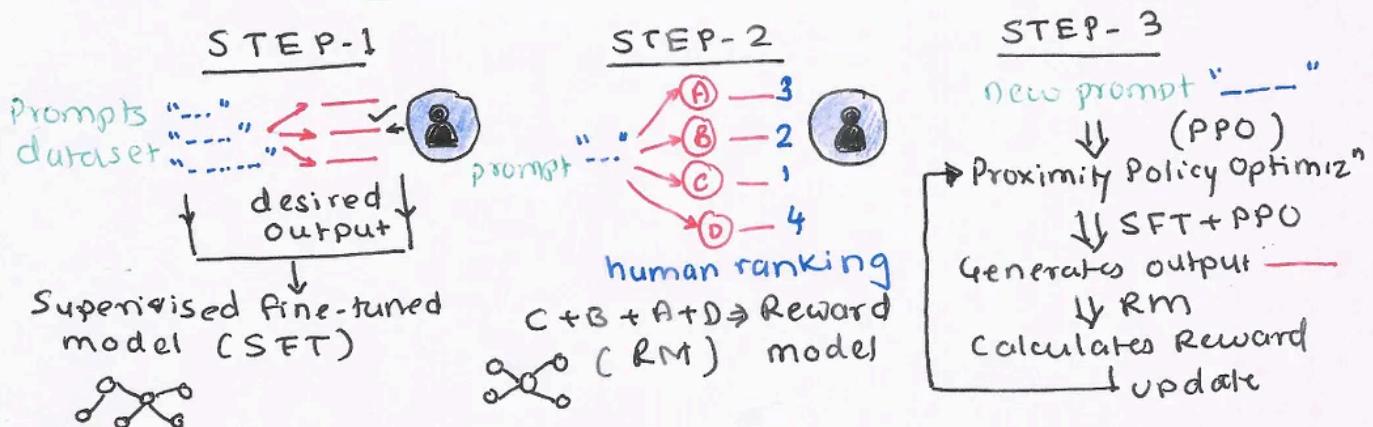
Unless you've been living under a rock, you've heard about ChatGPT. It's everywhere. The media can't stop talking about it. Your colleagues are probably using it. Even your grandma might be asking about it.

But what exactly is ChatGPT? And why is it causing such a stir?

Let's break it down. Here is my technical visual representation of it.



How ChatGPT was trained?



Advantages

- human like writing
- complex instructions
- mix-match ideas

Dis-advantages

- hallucinates at times
- not truly creative
- Expensive \$\$\$

Applications

- writing blogs, emails etc
- Search descriptive info
- idea generation

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Question

Will chatGPT pass the Turing Test?

(Sketchnote by the author)

ChatGPT is an AI language model. It's designed to understand and generate human-like text. You input a question or prompt, and it responds with eerily human-like answers.

The interface is simple. It's just like a chat app. You type, it replies. But the magic lies in what it can do.

Need a poem about cybersecurity? ChatGPT's got you covered. Want to debug your code? It can help with that too. Curious about the history of quantum physics? Just ask.

It's like having a knowledgeable friend at your fingertips. A friend who never sleeps, never tires, and has access to a vast amount of information.

But here's the kicker: it's not just regurgitating facts. ChatGPT can analyze, synthesize, and even create. It can write essays, generate ideas, and even engage in philosophical debates.

This is why some are calling it AGI — Artificial General Intelligence. That's a fancy term for AI that can perform any intellectual task that a human can. We're not quite there yet, but ChatGPT is pushing the boundaries.

So, why all the hype?

First, it's accessible. Anyone with an internet connection can use it. It's democratizing access to advanced AI technology.

Second, it's versatile. From coding to creative writing, from data analysis to language translation, ChatGPT can handle it all.

Third, it's changing how we work. Professionals across industries are finding ways to integrate it into their workflows. Marketers are using it for content creation. Developers are using it for code review. Teachers are using it to generate lesson plans.

But it's not just about work. ChatGPT is reshaping how we learn, how we create, and even how we think.

Remember the Turing Test? It's a test of a machine's ability to exhibit intelligent behavior equivalent to a human. Some argue that ChatGPT is getting close to passing it.

But let's pump the brakes for a moment. ChatGPT isn't perfect. It can make mistakes. It can be biased. And it doesn't truly understand the world as we do.

It's a tool. A powerful one, but still a tool. It's not here to replace humans. It's here to augment our capabilities.

Think of it as a supercharged assistant. It can help you brainstorm, research, and create. But you're still the boss. You provide the context, the creativity, and the critical thinking.

So, how can you leverage ChatGPT in your professional life?

1. Use it for ideation. Stuck on a problem? Chat with GPT. It might offer a perspective you haven't considered.
2. Employ it for research. It can quickly summarize complex topics, saving you hours of reading.
3. Use it for writing assistance. Need help with that report? ChatGPT can help you structure your thoughts and even polish your prose.
4. Leverage it for learning. Curious about a new field? ChatGPT can give you a crash course.
5. Use it for coding help. Developers can use it to explain complex algorithms, debug code, or even generate boilerplate.

But remember, always verify. ChatGPT is impressive, but it's not infallible. Cross-check important information. Use your judgment.

As we stand at the turning point of this AI revolution, it's natural to feel a mix of excitement and fear. Will AI make certain jobs obsolete? Possibly. But it will also create new opportunities.

The key is to adapt. Embrace the technology. Learn how to work alongside AI. The future belongs to those who can harness the power of tools like ChatGPT while bringing uniquely human skills to the table.

Critical thinking, emotional intelligence, creativity — these are areas where humans still have the upper hand. Combine these with AI's data processing and pattern recognition capabilities, and you've got a winning formula.

As we move forward, ethical considerations will become increasingly important. How do we ensure AI is used responsibly? How do we address issues of bias and misinformation? These are questions we need to grapple with as a society.

But one thing is clear: AI like ChatGPT is here to stay. It's not just a peak on the Gartner Hype Cycle. It's a fundamental shift in how we interact with technology.

So, are you ready to ride the AI wave? The revolution is here, and it's sitting in your pocket, waiting for your next prompt.

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Written by **Yogesh Haribhau Kulkarni (PhD)**

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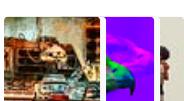
ChatGPT

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Use Case Families	Generative Models	Non-Generative ML	Optimisation	Simulation	Rules	Graphs
Forecasting	Low	High	Low	High	Medium	Low
Planning	Low	Low	High	Medium	Medium	High
Decision Intelligence	Low	Medium	High	High	High	Medium
Autonomous System	Low	Medium	High	Medium	Medium	Low
Segmentation	Medium	High	Low	Low	High	High
Recommender	Medium	High	Medium	Low	Medium	High
Perception	Medium	High	Low	Low	Low	Low
Intelligent Automation	Medium	High	Low	Low	High	Medium
Anomaly Detection	Medium	High	Low	Medium	Medium	High
Content Generation	High	Low	Low	High	Low	Low
Chatbots	High	High	Low	Low	Medium	High



Christopher Tao in Towards AI

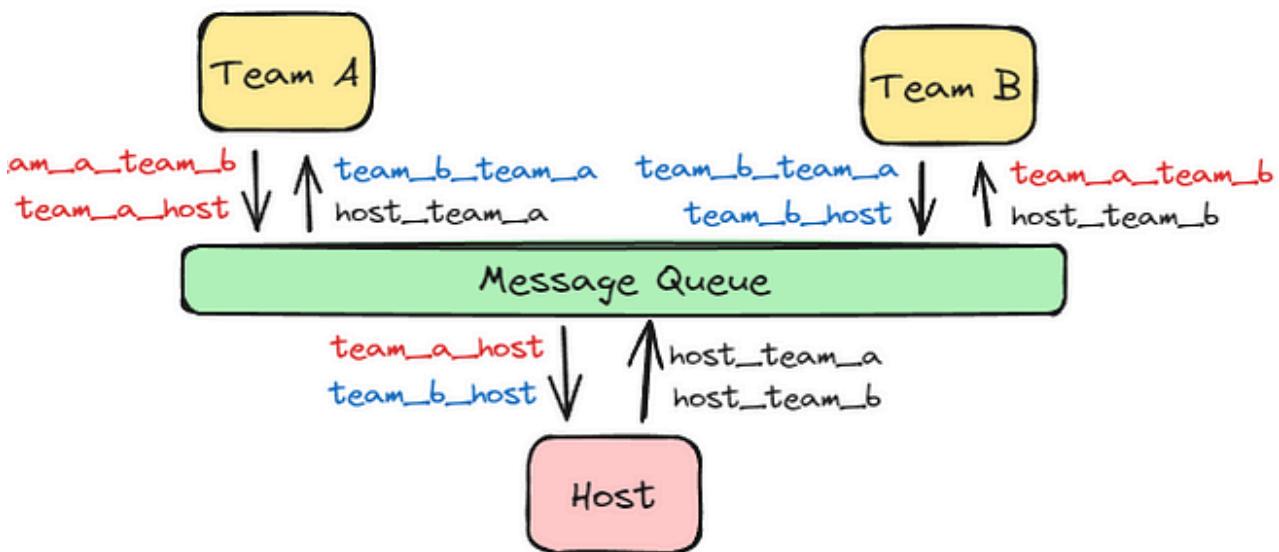
Do Not Use LLM or Generative AI For These Use Cases

Choose correct AI techniques for the right use case families

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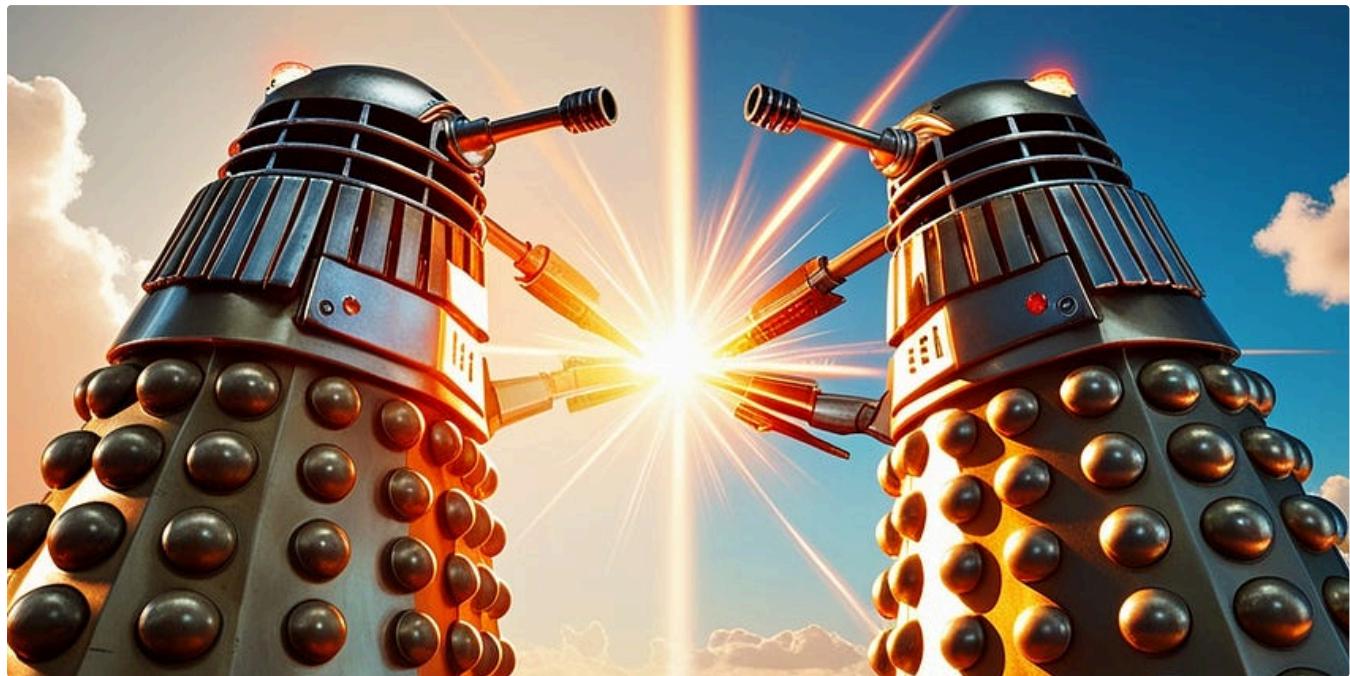
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