

Large Language Models in Practice

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GPT Models' Game-Changing Property



GPT 3

- The ability to imitate Victorian writers!

- ... **zero- / few-shot;**



Night of the Living Discourse
@ambernoelle

[@ambernoelle](#)

Normal people: I met this guy, he was average
Victorian writers: He was, in the way of most men, possessed of a rudimentary intelligence, his countenance ordinary, his bearing mild, with some weakness about the shoulders, his hair the color of ash; he spoke of the weather

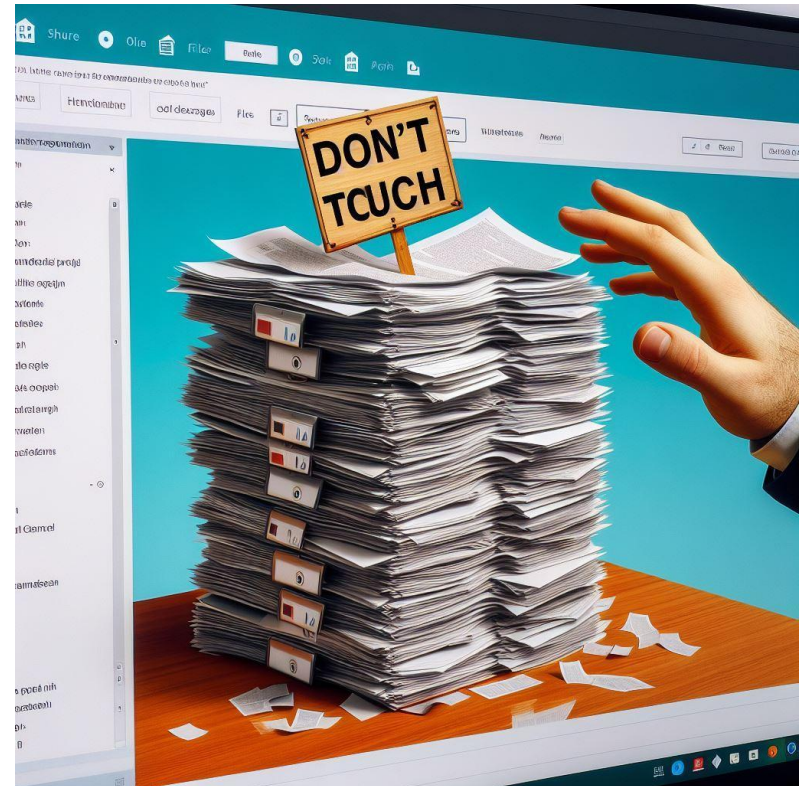
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- **Prompt:** "Normal people: I went out today and the weather was mild"
- **Response:** "Victorian writers: The day, though not unpleasing, was not of the first water, the sun struggling through a haze of cloud, the breeze fresh but not invigorating"
- **Prompt:** "Normal people:"
- **Response:** "I'm going to the store
Victorian writers: I must needs take myself to the market, for the cupboards were bereft of all sustenance"

Practical Applications

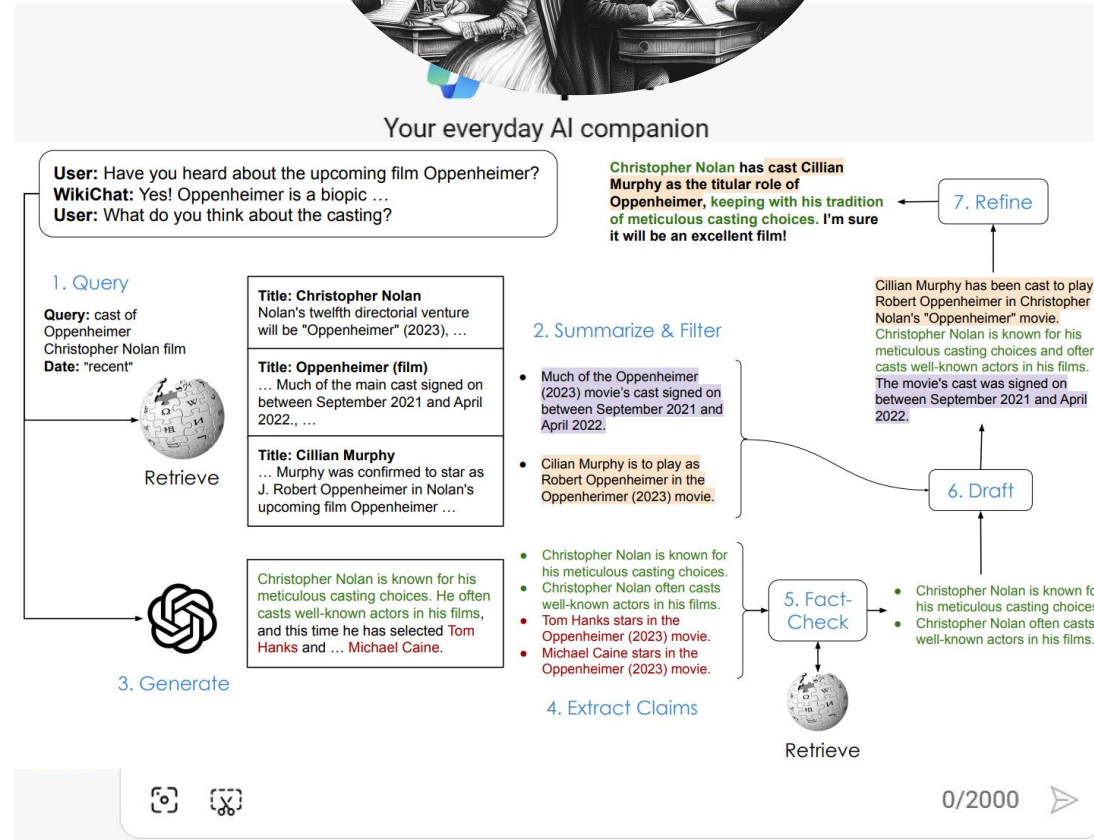
- Code generation;
- Advanced tools for language correction;
- Editing, restyling, ...;
 - Align text with a company style guide; ...
- Question answering over large corpora;
 - Corporate guidelines;



But Hallucinations!



- Bing does this & hallucinates a lot!
- W/ better pipelines down to **2-3%**;
 - Decomposition & prior knowledge is key!
- Victorian writers again!
 - Tasks that we have data for are **an exception!**



Slovakia Is Missing Out!

- OpenAI's models currently the only option;
 - No access to internals, embeddings, ...
 - Still generates imperfect language;
 - Inferior skills in Slovak;
 - Can't be used on-premise;
 - ...
- Needed: A **sustainable initiative** to adapt smaller SoTA LLMs for Slovak;



English LLM

fine-tuning



Slovak LLM

Thank you for your attention!

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