Hello, techie 👋

Today, we're diving into the on-going AI news that everyone has been following. But, be prepared for the twist.

Size isn't everything: enter Orca 2

In a world where bigger usually means better, Microsoft begs to differ. As OpenAI faces its own internal turbulence, Microsoft has dropped a bombshell with Orca 2: a pair of small language models that outperform larger counterparts. These compact models, with 7B and 13B parameters, are punching well above their weight, even surpassing Meta's Llama-2 Chat-70B in complex reasoning tasks. ***Who said size matters?***

Small wonders: revolutionising AI with smaller brains

Think back to the original 13B Orca, which adeptly imitated its larger counterparts. Orca 2 elevates this legacy. Microsoft's team has made Orca 2 even better. They've used new training methods to make these models really smart, giving them the kind of thinking skills we usually only see in much bigger AI models. ***This shows that in the world of AI, it's not just about how big the model is, but how cleverly it's designed and trained.***

Microsoft's big giveaway: accessible AI for all

Microsoft is sharing these smaller but powerful models with everyone. They've made Orca 2 available for free. ***Now, companies can use these advanced AI tools without needing really big computers.***

Small Models, big brains

GPT-4 has been popular for its smart reasoning, but smaller versions weren't as good – until Orca 2 came along. Orca 2 doesn't just copy what bigger models do. Instead, it brings something new to the table. ***These***

models solve problems in their own special way, perfect for their smaller size.

Beating the big players

In many different tests, Orca 2 has shown amazing results. It has done better than bigger models like Llama-2-Chat-13B and 70B, and WizardLM-13B and 70B in things like understanding language and solving tough problems. The only small issue? ***In GSM8K, a hard set of math problems for kids, it didn't do as well – showing that even the best can have weak spots.***

The road ahead: more Orcas 2

With the release of Orca 2 into the open-source world, we're standing at the brink of a revolution in the development of high-performance, smaller models. ***This trend is catching on, as seen with China's 01.AI and Paris-based Mistral AI, both of which are making waves with their own compact but potent models.***

Microsoft's Orca 2 is more than just a great tech achievement; it's an example of creativity in the AI world. The world of AI is changing, not in how big it is, but in how creative and promising it can be.

Until next time, may your code always compile, and your algorithms stay nimble 🤓

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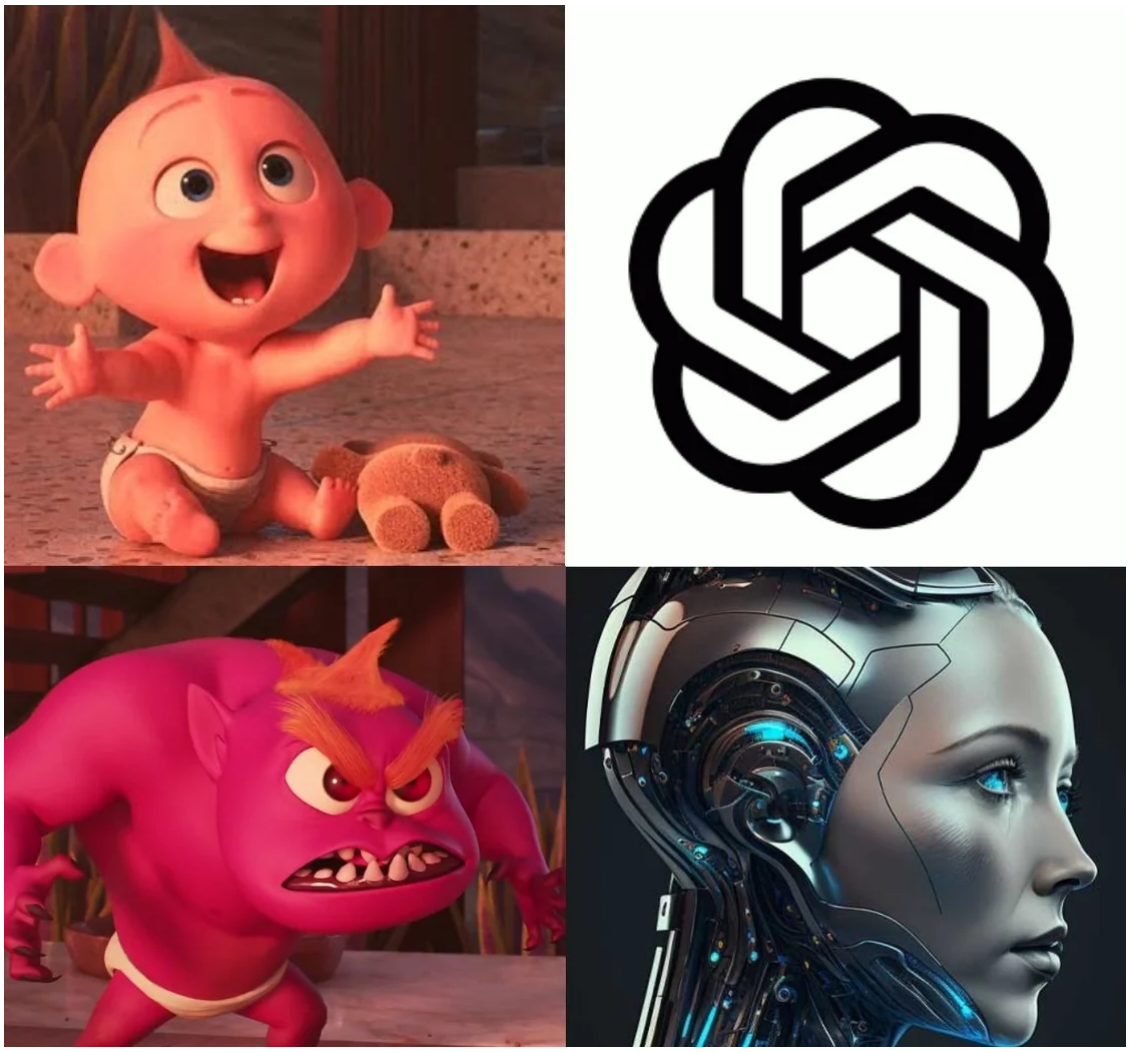

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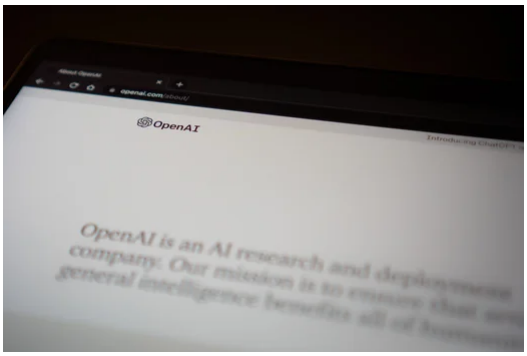

OpenAI, emerging from the ashes, has a lot to prove even with Sam Altman’s return

The tech world was captivated by a power struggle at OpenAI, resulting in co-founder Sam Altman's firing and subsequent return as leader. The new board of directors faces criticism for its lack of diversity, being entirely white and male. Concerns are also rising about OpenAI's founding philanthropic goals being overshadowed by capitalist interests.

Read more

AI & Surveillance – Striking The Balance For Ethical Deployment

In the era of rapid technological advancement, the intersection of artificial intelligence (AI) and surveillance has become a topic of both fascination and concern. The popular portrayal of AI in surveillance, often influenced by Hollywood, tends to veer toward a dystopian future where omnipotent AI systems invade our privacy and predict crimes with uncanny accuracy.

Read more

👉 The Golden Age Of IoT: How Timing Stands To Simplify IoT | **Forbes**

👉 Ask Sophie: Will there be more visas and green cards for AI talent? | **TechCrunch**

👉 Virtual AI boot camps and courses enrollment numbers grow exponentially | **Worklife**

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