

Research on Llama2

Llama2 is an open-source large language model that is free for research and commercial use. It's used to automate tasks and add features to apps. Llama2 can generate useful text for various purposes such as articles or social media content, among other possibilities. Training Llama2 and then using it can significantly increase the efficiency and effectiveness of tasks. It can be used by individuals and professionals, in companies both large and small.

Meta created Llama1 and then Llama2 and made it open source because it was being used by many people (e.g. researchers) who were also building on top of Llama.

Llama2 has been responsibly made:

- The models have been red-teamed.
- The model's fine-tuning and evaluation methods were released in a research paper.
- A Responsible Use Guide was created for developers.
- They have an Acceptable Use Policy that prohibits certain use cases.

Meta is keen on getting insights from developers and researchers, so they have launched an Open Innovation AI Research Community and Llama Impact Challenge.

5 ideas about how Llama2 can be used in mobile apps:

- If the mobile app contains articles, Llama 2 could summarize each article so that the user doesn't have to read all of them. This could also be a TL;DR section.
- Alternatively, if the app prompts with sentences, Llama 2 could create stories, blog posts, reports or articles from the prompt. The text generated could also cater to different individuals and their levels of understanding.
For example, if explaining ML to a new learner, it can provide a thorough explanation, starting right from the foundations. But if explaining ML to a moderately experienced developer, Llama 2 can generate less text that is more complicated and/or uses jargon that that developer would be able to understand.
If this idea is used, it's especially important that Llama2 is consistently updated to stay relevant with new trends.
- Customer support for the app could be automated. If the customer has questions, we can use Llama2 to respond. The response would also be instant, so they don't have to wait for a real person to provide them with customer support. A lot of requests can be handled by Llama2 so there would be less need for customer support individuals. But human oversight will still be necessary to ensure that the responses are accurate and relevant, otherwise it would result in a bad experience for the customer.
- Llama2 could translate the text between languages in the app. The model has extensive training on a large variety of diverse data. This would enable the text in the app to be better communicated to a variety of audiences. The translations can also be fine-tuned for local languages or specific dialects, increasing their understanding. Even Google Translate doesn't have such precision.

- If the mobile app utilises data analytics, Llama2 can also assist with that. It can analyse large datasets, generate hypotheses, and create insights into the data. This would speed up the rate at which information from data is presented on the app.

References

<https://about.fb.com/news/2023/07/llama-2/>

<https://textcortex.com/post/llama-2-use-cases>

[How to Train Llama 2 & Run It to Solve Different Use Cases \(ambcrypto.com\)](#)