SIT708-TASK2.1P

Llama2 and its possible use cases in mobile Android apps

Llama2's potential can be utilized to develop more efficient and user-friendly mobile applications. It can improve user experience, add intelligent features to Android apps, and automate processes. The accessibility and functionality of mobile applications can be enhanced by its advanced natural language processing capabilities. A few examples of its possible applications in mobile apps are provided below.

1. Llama2 can be utilized by radiology apps to support clinical research and data analysis. When it comes to certain medical illnesses or imaging modalities, Llama2 can analyse vast amounts of imaging data, clinical records, and academic literature to find patterns, correlations, and insights.[1]

2. Llama2 can be used to identify abnormalities that point to abusive or predatory activity by examining user behaviour and interaction patterns. For example, sudden shifts in conversation topics, escalation of aggressive language, or grooming tactics aimed at building trust with vulnerable individuals can be flagged for further investigation [2]

3. By integrating a Llama2-powered chatbot, users may communicate with the financial news app by issuing instructions and asking questions in natural language. Users have the option to ask inquiries about financial subjects, get explanations on market patterns, or get tailored investment advice.[3]

4. By integrating a Llama2 users may be provided with personalized content recommendations to users based on their interests and social network activity. The app has been designed with safety training to ensure that it prioritizes user privacy, avoids promoting harmful content, and adheres to community guidelines.[4]

5. Llama2 can improve support systems' capabilities by responding to inquiries in a more humane manner and by comprehending complex queries and become more proficient at answering user questions by constant learning and engagement, which will lower the need for human intervention and raise customer satisfaction levels all around. Also, this approach simplifies the search process for users and reduces the cognitive load associated with formulating precise search terms. [5]

References

[1]

Z. Liu et al., “Radiology-Llama2: Best-in-Class Large Language Model for Radiology,” arXiv.org, Aug. 29, 2023. https://arxiv.org/abs/2309.06419(accessed Oct. 29, 2023)

[2]

T. T. Nguyen, C. Wilson, and J. Dalins, “Fine-Tuning Llama 2 Large Language Models for Detecting Online Sexual Predatory Chats and Abusive Texts,” arXiv.org, Aug. 28, 2023.https://arxiv.org/abs/2308.14683

[3]

B. M. Pavlyshenko, “Financial News Analytics Using Fine-Tuned Llama 2 GPT Model,” arXiv (Cornell University), Aug. 2023, doi: https://doi.org/10.48550/arxiv.2308.13032.

[4]

S. Lermen, C. Rogers-Smith, and J. Ladish, “LoRA Fine-tuning Efficiently Undoes Safety Training in Llama 2-Chat 70B,” arXiv.org, Oct. 31, 2023. https://arxiv.org/abs/2310.20624 (accessed Mar. 23, 2024).

[5]

H. Touvron et al., “Llama 2: Open Foundation and Fine-Tuned Chat Models,” 2023. Accessed: Mar. 23, 2024. [Online]. Available: https://arxiv.org/pdf/2307.09288v2.pdf