LLMOPS ASSIGNMENT

1. Review the following code and articles.
2. Refer to the slide deck as needed to reinforce the concepts presented in the class

Code notebooks and articles/videos to review:

1. Comet LLMOps tools:
   https://www.comet.com/site/blog/large-language-models-navigating-comet-llmops-tools/
2. Role Base Access Control (RBAC) approaches:
   https://community.openai.com/t/how-are-people-ensuring-secure-access-to-rag-data/649348/10
   https://www.comet.com/site/blog/large-language-models-navigating-comet-llmops-tools/
3. MLFlow for LLMOps demo:
   https://www.kaggle.com/code/yannicksteph/nlp-llm-llmops-pipeline-dev-stag-prod
4. Langsmith demo and walkthrough:
   https://python.langchain.com/v0.1/docs/langsmith/walkthrough/
5. Langfuse demo:
   https://langfuse.com/docs/demo
6. Explainability: SHAP demo:
   https://www.geeksforgeeks.org/leveraging-shap-values-for-model-insights-and-enhanced-performance/
7. LIME Vs SHAP:
   https://medium.com/towards-data-science/lime-vs-shap-which-is-better-for-explaining-machine-learning-models-d68d8290bb16
8. Measuring **Bias**, **Toxicity** in LLMs:
   https://www.kaggle.com/code/aliabdin1/llm-05-biased-llms-and-society
9. sentry.io demo
10. Arize:
    https://arize.com/llm/
11. Comet opik:
    https://www.comet.com/site/products/opik/
    https://www.kaggle.com/code/psvishnu/how-to-use-opik-for-llm-observability

12.
13.