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| New: Cloud Provider Tanzu App Platform and Tanzu Data Services portfolio | Sample LLM App frontend with Multi-step MLflow workflows Workflow |
| Overview | Use this sample template as a baseline to bootstrap a Generative AI application whose LLM model is retrained / finetuned, evaluated and published using multi-step **MLflow** workflows**.** The sample template demonstrates using **HuggingFace Transformers** to publish a finetuned model based on the provided base LLM. The application is a **Streamlit** web app. Workflow steps may be configured for each run with MLflow’s **MLproject** file.   Workflow Steps The workflow steps are as follows:   |  |  | | --- | --- | | **upload\_dataset** | Uploads the training dataset to the training environment *(supports local environment or Ray clusters by default)* | | **train\_model** | Finetunes or retrains the base LLM model | | **evaluate\_model** | Uses defined metrics and thresholds to perform model evaluation on the candidate model | | **promote\_model\_to\_staging** | By default, promotes the candidate model to Staging if it passes the evaluation stage; also publishes the LLM to HuggingFace and stores metadata in Datahub | |  |  | |  |  | |  |  | |