



Introduction to Generative AI with AWS

Project Documentation Report

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Complete the answers to the questions below to complete your project report. Create a PDF of the completed document and submit the PDF with your project.

Question	Your answer:
Step 2: Domain Choice What domain did you choose to fine-tune the Meta Llama 2 7B model on? Choices: <ol style="list-style-type: none">1. Financial2. Healthcare3. IT	IT
Step 3: Model Evaluation Section What was the response of the model to your domain-specific input in the <code>model_evaluation.ipynb</code> file?	<pre>[7]: texts = ["Traditional approaches to data management such as", "A second important aspect of ubiquitous computing environments is", "because ubiquitous computing is intended to", "outline the key aspects of ubiquitous computing from a data management perspective."] for text in texts: payload = { "inputs": text, "parameters": { "max_new_tokens": 64, "top_p": 0.9, "temperature": 0.6, "return_full_text": False, }, } try: response = predictor.predict(payload, custom_attributes="accept_eula=true") print_response(payload, response) except Exception as e: print(e)</pre> <p>Traditional approaches to data management such as > relational databases, flat files, and spreadsheets are no longer sufficient. This is why the data lake is gaining traction as an alternative to traditional data management approaches. A data lake is a centralized repository that stores all data in its native format. This allows for easy access and analysis of data, which</p> <p>=====</p> <p>A second important aspect of ubiquitous computing environments is > that they are dynamic in nature. In a ubiquitous computing environment, the user may be in one location at one moment and in another location at another moment. This requires that the user's current location be known and that the user's identity be known. In one embodiment, the user</p> <p>=====</p>
Step 4: Fine-Tuning Section After fine-tuning the model, what was the response of the model to your domain-specific input in the <code>model_finertuning.ipynb</code> file?	<pre>texts = ["Traditional approaches to data management such as", "A second important aspect of ubiquitous computing environments is", "because ubiquitous computing is intended to", "outline the key aspects of ubiquitous computing from a data management perspective."] for text in texts: payload = { "inputs": text, "parameters": { "max_new_tokens": 64, "top_p": 0.9, "temperature": 0.6, "return_full_text": False, }, } try: response = finetuned_predictor.predict(payload, custom_attributes="accept_eula=true") print_response(payload, response) except Exception as e: print(e)</pre> <p>Traditional approaches to data management such as > [Generated text]: data warehouses and data lakes have been in place for a long time. However, they are not able to meet the demands of the modern enterprise. In the increasing volume of data, the need for real-time insights, and the complexity of data sources have made these traditional approaches obsolete.</p> <p>=====</p> <p>A second important aspect of ubiquitous computing environments is > [Generated text]: the need for services that allow users to communicate with each other and with applications in the environment. A variety of different communication mechanisms have been proposed for ubiquitous computing, including mobile phone networks, Bluetooth, and wireless local area networks. This chapter focuses on the use of Bluetooth as a communication mechanism.</p> <p>=====</p>

