UDACITY

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: 1. Financial 2. Healthcare 3. IT	IT
Step 3: Model Evaluation Section What was the response of the model to your domain-specific input in the **model_evaluation.ipynb file**?	Traditional approaches to data management such as > data warehousing and data marts have been the g o-to solution for many years, but they are no longer sufficient to support the needs of modern organizati ons. In this article, we will explore the benefits of a mode rn data platform and why it is becoming increasingl y important for businesses to adopt this
Step 4: Fine-Tuning Section After fine-tuning the model, what was the response of the model to your domain-specific input in the **model_finetuning.ipynb file**?	Traditional approaches to data management such as > [{'generated_text': ' relational databases and data warehouses have been unable to keep up with the e ver-increasing data volumes, variety, and velocity th at characterize today's modern data platforms. Trad itional approaches to data management have been u nable to keep up with the ever-increasing data volu mes, variety, and'}]

MODEL EVALUATION SECTION:

```
payload = {
    "inputs": "Traditional approaches to data management such as",
    "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)
```

```
Traditional approaches to data management such as
>  data warehousing and data marts have been the go-to solution for many years, but they are no longer sufficient to support the needs of mo
dern organizations.
In this article, we will explore the benefits of a modern data platform and why it is becoming increasingly important for businesses to adop
t this

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```

```
payload = {
    "inputs": "A second important aspect of ubiquitous computing environments is",
    "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)
```

```
A second important aspect of ubiquitous computing environments is
>  that the users are always connected to a network and thus can be constantly in touch with each other. This property is referred to as con
nectivity.
Ubiquitous computing is a computer science field which studies the application of ubiquitous computing technology.
Ubiquitous computing is a computer science field which
```

FINE TUNING SECTION

```
payload = {
    "inputs": "Traditional approaches to data management such as",
    "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)
```

```
Traditional approaches to data management such as
> [{'generated_text': ' relational databases and data warehouses have been unable to keep up with the ever-increasing data volumes, variety, and velocity that characterize today’s modern data platforms. Traditional approaches to data management have been unable to keep up with the ever-increasing data volumes, variety, and'}]

==================================
```

```
payload = {
    "inputs": "A second important aspect of ubiquitous computing environments is",
    "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)
```

```
A second important aspect of ubiquitous computing environments is
> [{'generated_text': ' that they are mobile, that is, they can be moved to different locations. The movement of a mobile device from one location to another changes the context in which the device is used. For example, if a mobile device is used in the kitchen, it is used for different purposes than if it is used in the living'}]

==================================
```