Introduction to Generative AI with AWS Project Documentation Report
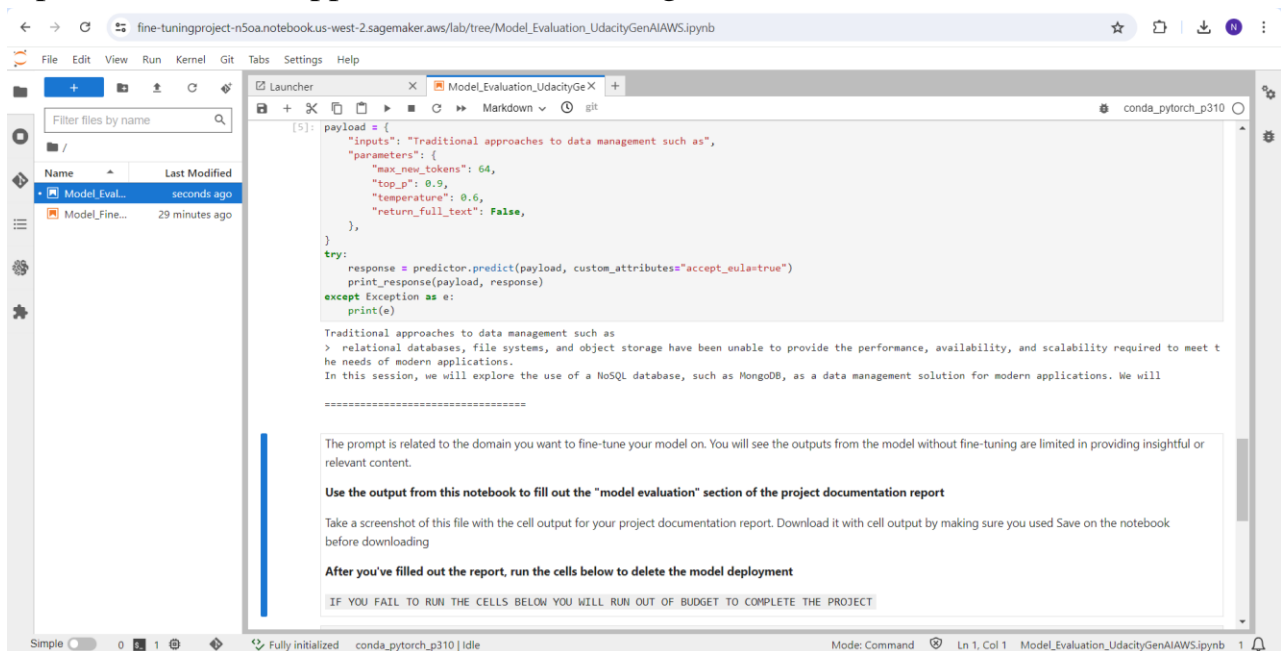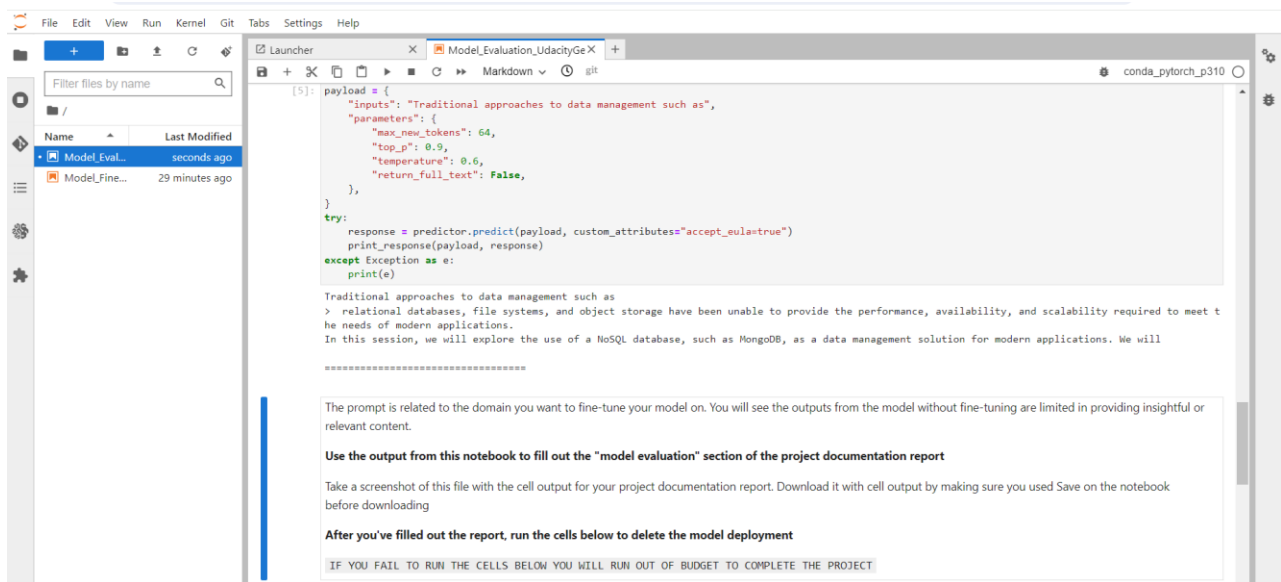
Screenshots-

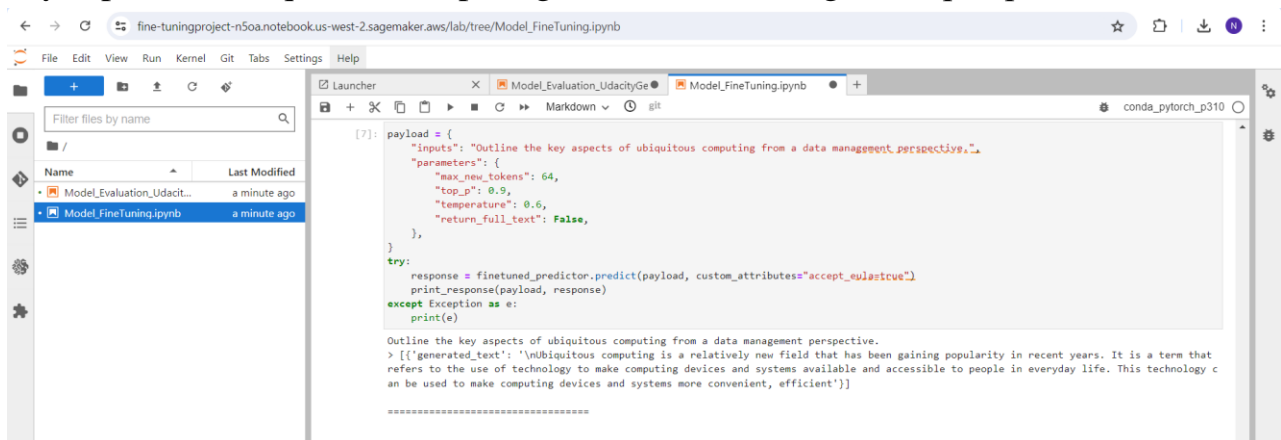1.Model_Evaluation_UdacityGenAIAWS.ipynb file with the cell output of the input: "Traditional approaches to data management such as"
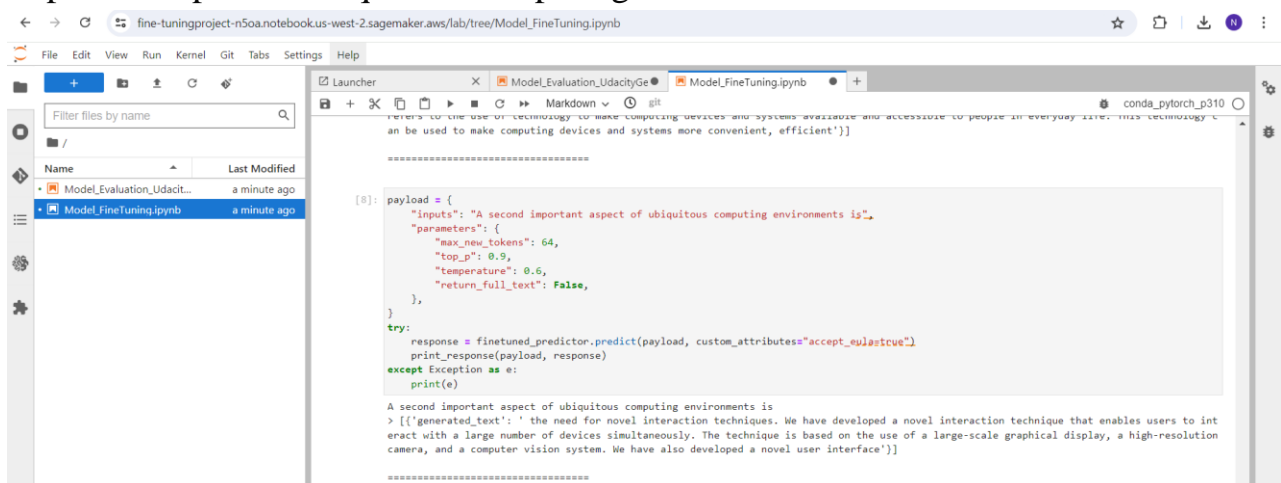

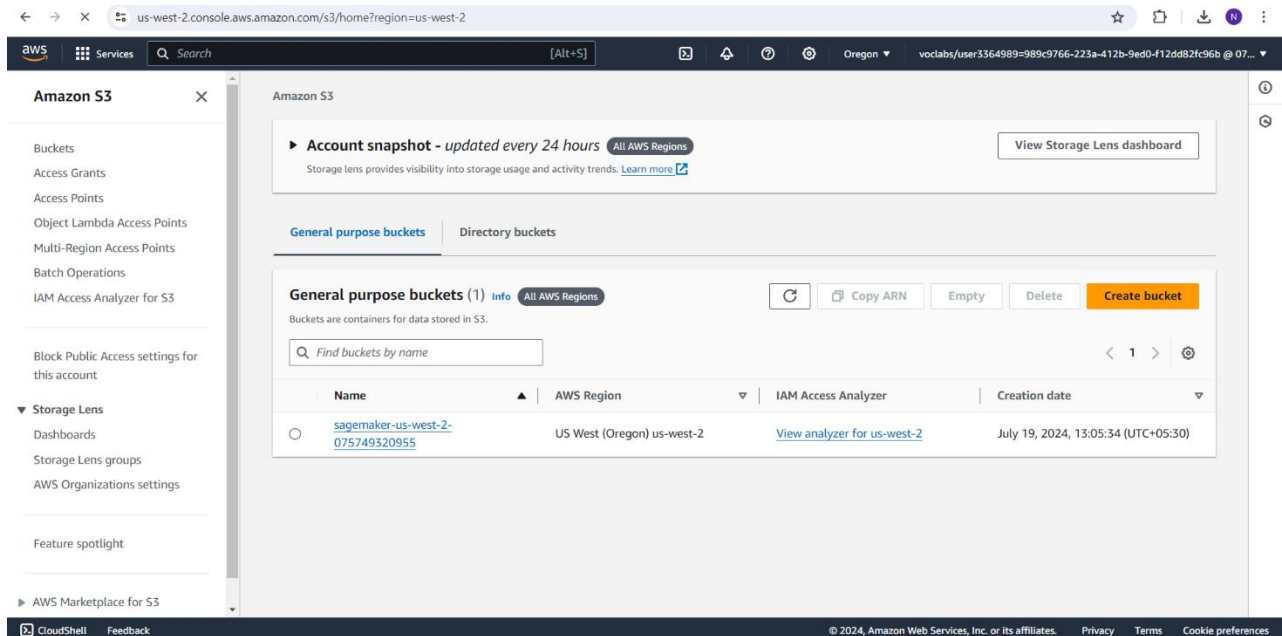2.Model_FineTuning.ipynb file with the cell output of the input: "Traditional approaches to data management such as"

```python
[5]: 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
> relational databases, file systems, and object storage have been unable to provide the performance, availability, and scalability required to meet t
he needs of modern applications.
In this session, we will explore the use of a NoSQL database, such as MongoDB, as a data management solution for modern applications. We will

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The prompt is related to the domain you want to fine-tune your model on. You will see the outputs from the model without fine-tuning are limited in providing insightful or relevant content.

Use the output from this notebook to fill out the "model evaluation" section of the project documentation report

Take a screenshot of this file with the cell output for your project documentation report. Download it with cell output by making sure you used Save on the notebook before downloading

After you've filled out the report, run the cells below to delete the model deployment

IF YOU FAIL TO RUN THE CELLS BELOW YOU WILL RUN OUT OF BUDGET TO COMPLETE THE PROJECT

3.Model_FineTuning.ipynb file with the cell output of the input:"Outline the key aspects of ubiquitous computing from a data management perspective."
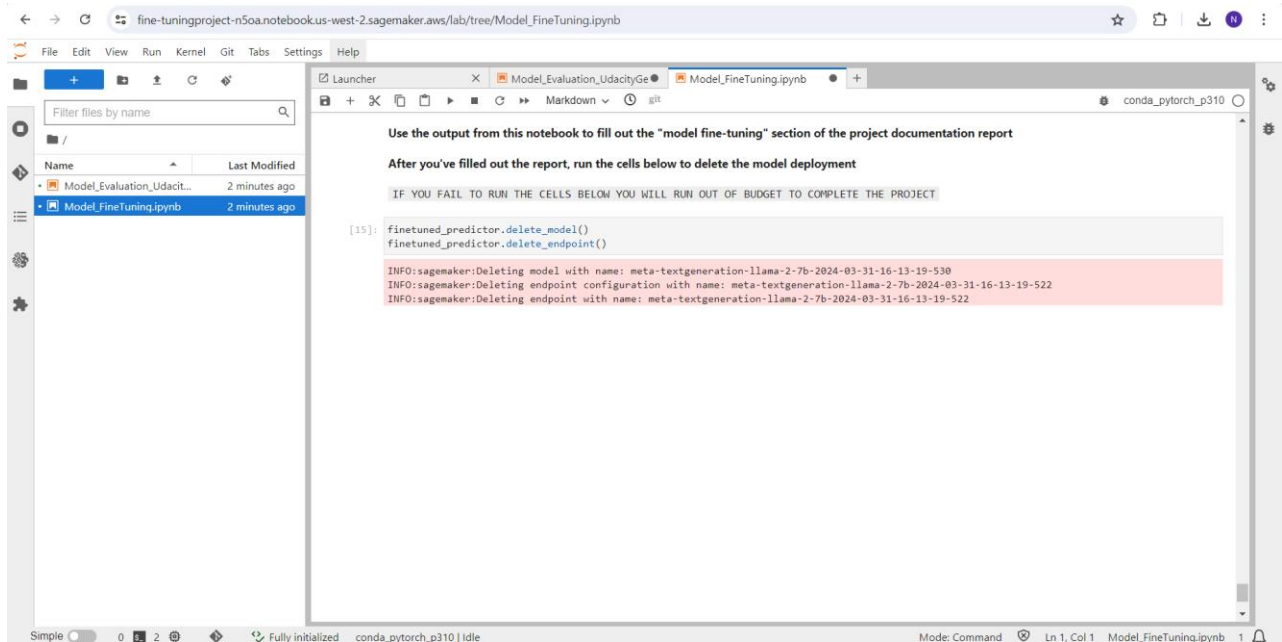
```python
[7]: payload = {
        "inputs": "Outline the key aspects of ubiquitous computing from a data management perspective.",
        "parameters": {
            "max_new_tokens": 64,
            "top_p": 0.9,
            "temperature": 0.6,
            "return_full_text": False,
        },
    }
    try:
        response = finetuned_predictor.predict(payload, custom_attributes="accept_eula=true")
        print_response(payload, response)
    except Exception as e:
        print(e)
```

```
Outline the key aspects of ubiquitous computing from a data management perspective.
> [{'generated_text': '\nUbiquitous computing is a relatively new field that has been gaining popularity in recent years. It is a term that
refers to the use of technology to make computing devices and systems available and accessible to people in everyday life. This technology c
an be used to make computing devices and systems more convenient, efficient'}]

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```

4.Model_FineTuning.ipynb file with the cell output of the input: "Asecond important aspect of ubiquitous computing environments is".

```
refers to the use of technology to make computing devices and systems available and accessible to people in everyday life. This technology c
an be used to make computing devices and systems more convenient, efficient'}]

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

```python
[8]: 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': ' the need for novel interaction techniques. We have developed a novel interaction technique that enables users to int
eract with a large number of devices simultaneously. The technique is based on the use of a large-scale graphical display, a high-resolution
camera, and a computer vision system. We have also developed a novel user interface'}]

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```
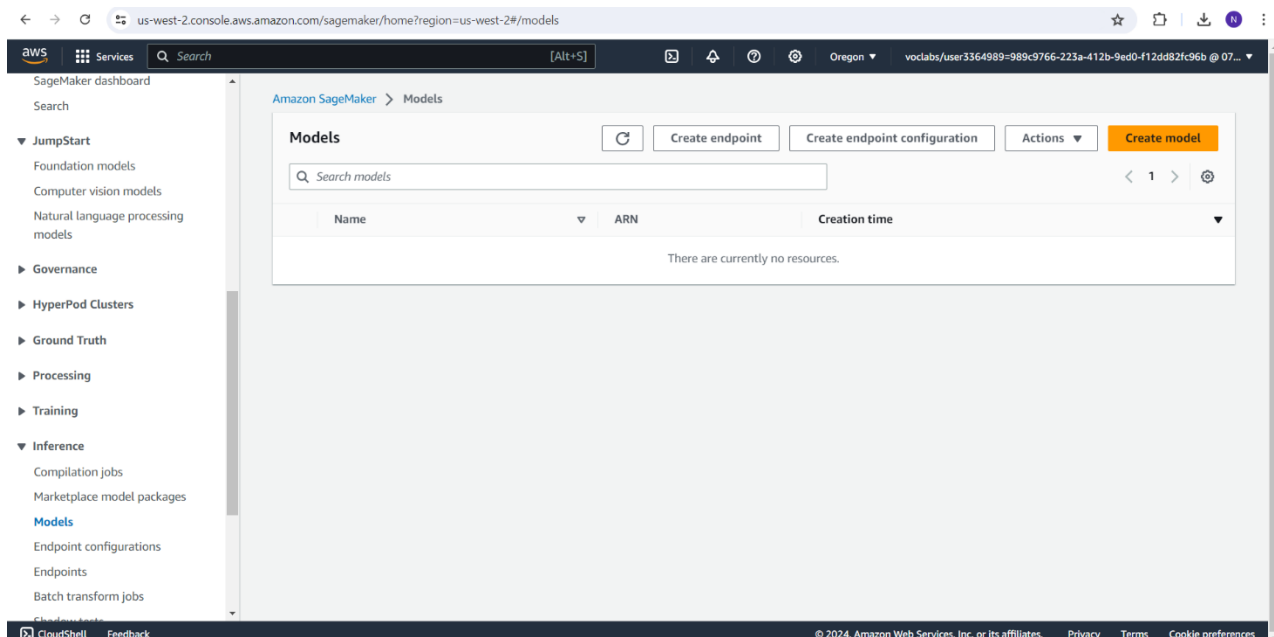
5.AWS S3 bucket where the fine-tuned model weights are stored after training.

6.Model_FineTuning.ipynb file with the cell that delete the modeldeployment and endpoint runned.

7.Verification of the model has been deleted.

8.Verification of the endpoint has been deleted.