

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	Healthcare
Step 3: Model Evaluation Section What was the response of the model to your domain-specific input in the model_evaluation.ipynb file?	<pre>payload = { "input": "Hydralid regimens and acute leukemias derive from", "parameters": { "max_new_tokens": 64, "top_p": 0.5, "temperature": 0.5, "return_full_text": False, }, } try: response = predictor.predict(payload, custom_attributes="script_evaluation") print(response(payload, response)) except Exception as e: print(e) Hydralid regimens and acute leukemias derive from > The hematopoietic stem cell and have a high propensity for malignant transformation. They are characterized by the presence of abnormal proliferation and differentiation of hematopoietic cells and by the presence of dysregulation of the cell cycle. The most common base</pre>
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_finnetuning.ipynb file?	<pre>(1) payload = { "input": "Hydralid regimens and acute leukemias derive from", "parameters": { "max_new_tokens": 64, "top_p": 0.5, "temperature": 0.5, "return_full_text": False, }, } try: response = Finetuned_predictor.predict(payload, custom_attributes="script_evaluation") print(response(payload, response)) except Exception as e: print(e) Hydralid regimens and acute leukemias derive from > [[generated_text]] "the development of personalized medicine, which is expected to improve the effectiveness of cancer treatment. In the study, published in Nature Communications, was conducted by researchers from the university of Tokyo, Tokyo University, and the National Cancer Center in Japan, and the university of California, San Diego (UC)" (10) payload = { "input": "Genomic characterization is essential for", "parameters": { "max_new_tokens": 64, "top_p": 0.5, "temperature": 0.5, "return_full_text": False, }, } try: response = Finetuned_predictor.predict(payload, custom_attributes="script_evaluation") print(response(payload, response)) except Exception as e: print(e) Genomic characterization is essential for > [[generated_text]] "the development of personalized medicine, which is expected to improve the effectiveness of cancer treatment. In the study, published in Nature Communications, was conducted by researchers from the university of Tokyo, Tokyo University, and the National Cancer Center in Japan, and the university of California, San Diego (UC)" (10) payload = { "input": "Genomic characterization is essential for", "parameters": { "max_new_tokens": 64, "top_p": 0.5, "temperature": 0.5, "return_full_text": False, }, } try: response = Finetuned_predictor.predict(payload, custom_attributes="script_evaluation") print(response(payload, response)) except Exception as e: print(e) Genomic characterization is essential for > [[generated_text]] "the development of personalized medicine, which is expected to improve the effectiveness of cancer treatment. In the study, published in Nature Communications, was conducted by researchers from the university of Tokyo, Tokyo University, and the National Cancer Center in Japan, and the university of California, San Diego (UC)" (10) payload = { "input": "Genomic characterization is essential for", "parameters": { "max_new_tokens": 64, "top_p": 0.5, "temperature": 0.5, "return_full_text": False, }, } try: response = Finetuned_predictor.predict(payload, custom_attributes="script_evaluation") print(response(payload, response)) except Exception as e: print(e) Genomic characterization is essential for > [[generated_text]] "the development of personalized medicine, which is expected to improve the effectiveness of cancer treatment. In the study, published in Nature Communications, was conducted by researchers from the university of Tokyo, Tokyo University, and the National Cancer Center in Japan, and the university of California, San Diego (UC)"</pre>