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
	Financial

Step 3: Model Evaluation Section What was the response of the model to your domain-specific input in the **model_evaluation.ipynb file**?	Input1: "the relative volume for the long out of the money options, indicates" Response1: The investment tests performed indicate > that the investment in the company is worthwhile. The company is expected to achieve a ROCE of 24%. The value of the company is estimated to be $15.9b, which is 10.5 times the company's estimated earnings. The company is expected to achieve Input2: "The results for the short in the money options" Response2: the relative volume for the long out of the money options, indicates > that the trader believes that the stock is likely to move higher. The long out of the money call option is a bullish strategy and the trader is expecting the stock price to rise above the strike price of the option. The trader is expecting the stock to rise

	above the strike price of
	The results are encouraging for aggressive investors > who want to take on risk. The S&P 500 has a 2.1% dividend yield. The Dow Jones Industrial Average has a 2.0% dividend yield. The Nasdaq Composite has a 1.3% dividend yield.
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**?	 The investment tests performed indicate > [{'generated_text': ' that the project is economically feasible and the cash flows generated by the project are sufficient to cover the cost of the investment. The project will generate a net present value of USD 1.8 million over the 10-year period, which will be realized through a cash flow of US'}] The relative volume for the long out of the money options, indicates > [{'generated_text': ' that a trader has sold to open 1,894 calls at the $0.01 strike. This represents a 1.99x increase in short interest.\nInvestors in Cypress Semiconductor Corp (Symbol: CY) saw new options begin trading this'}] The results for the short in the money options > [{'generated_text': ' are listed in the table

| | below.\nThe results for the long in the money options are listed in the table below.\nThe results for the short out of the money options are listed in the table below.\nThe results for the long out of the money options are listed in the table below.\nThe results for'}]

Input4: "The results are encouraging for aggressive investors"

Response4:

The results are encouraging for aggressive investors
> [{'generated_text': ", as the stock has gained 29.1% over the past year, and it is up 32.2% in the past 12 months. Investors should stay on the lookout for the company's upcoming earnings announcement, slated for May 2, "}] |