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Under the hatchet of fast-paced development, we must always be cognizant of social long term goals and the direction of the development of science and technology. Adapt to the network society, otherwise, we will take the risk of being obsoleted. Our AIF-C01 Test Torrent keep a look out for new ways to help you approach challenges and succeed in passing the AWS Certified AI Practitioner exam. An ancient Chinese proverb states that “The journey of a thousand miles starts with a single step”. To be recognized as the leading international exam bank in the world through our excellent performance, our AWS Certified AI Practitioner qualification test are being concentrated on for a long time and have accumulated mass resources and experience in designing study materials.

Amazon AIF-C01 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">• Fundamentals of AI and ML: This domain covers the fundamental concepts of artificial intelligence (AI) and machine learning (ML), including core algorithms and principles. It is aimed at individuals new to AI and ML, such as entry-level data scientists and IT professionals.
Topic 2	<ul style="list-style-type: none">• Security, Compliance, and Governance for AI Solutions: This domain covers the security measures, compliance requirements, and governance practices essential for managing AI solutions. It targets security professionals, compliance officers, and IT managers responsible for safeguarding AI systems, ensuring regulatory compliance, and implementing effective governance frameworks.
Topic 3	<ul style="list-style-type: none">• Applications of Foundation Models: This domain examines how foundation models, like large language models, are used in practical applications. It is designed for those who need to understand the real-world implementation of these models, including solution architects and data engineers who work with AI technologies to solve complex problems.
Topic 4	<ul style="list-style-type: none">• Guidelines for Responsible AI: This domain highlights the ethical considerations and best practices for deploying AI solutions responsibly, including ensuring fairness and transparency. It is aimed at AI practitioners, including data scientists and compliance officers, who are involved in the development and deployment of AI systems and need to adhere to ethical standards.

Topic 5	<ul style="list-style-type: none"> • Fundamentals of Generative AI: This domain explores the basics of generative AI, focusing on techniques for creating new content from learned patterns, including text and image generation. It targets professionals interested in understanding generative models, such as developers and researchers in AI.
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Amazon AWS Certified AI Practitioner Sample Questions (Q41-Q46):

NEW QUESTION # 41

A company designed an AI-powered agent to answer customer inquiries based on product manuals. Which strategy can improve customer confidence levels in the AI-powered agent's responses?

- A. Writing the confidence level in the response
- B. Designing an agent avatar that looks like a computer
- **C. Including referenced product manual links in the response**
- D. Training the agent to respond in the company's language style

Answer: C

Explanation:

Comprehensive and Detailed Explanation From Exact AWS AI documents:

Providing references or citations increases trust and transparency by:

- * Allowing users to verify information
- * Demonstrating responses are grounded in authoritative sources
- * Reducing perceived hallucination risk

AWS Responsible AI guidance emphasizes source attribution as a best practice to increase user trust in AI-generated content.

Why the other options are incorrect:

- * Confidence labels (A) do not verify correctness.
- * Avatars (C) are cosmetic.
- * Language style (D) affects tone, not trustworthiness.

AWS AI document references:

- * Building Trustworthy AI Systems
- * Grounding AI Responses in Source Documents
- * Responsible AI Transparency Practices

NEW QUESTION # 42

A company wants more customized responses to its generative AI models' prompts.

Select the correct customization methodology from the following list for each use case. Each use case should be selected one time.

(Select THREE.)

- * Continued pre-training
- * Data augmentation
- * Model fine-tuning

Answer:

Explanation:

NEW QUESTION # 43

A company wants to implement a large language model (LLM)-based chatbot to provide customer service agents with real-time contextual responses to customers' inquiries. The company will use the company's policies as the knowledge base.

- A. Retrain the LLM on the company policy data.
- B. Fine-tune the LLM on the company policy data.
- C. **Implement Retrieval Augmented Generation (RAG) for in-context responses.**
- D. Use pre-training and data augmentation on the company policy data.

Answer: C

Explanation:

Comprehensive and Detailed

Retraining or pre-training is costly and unnecessary for just using company policies.

Fine-tuning adapts models but is inefficient for frequently changing company documents.

Retrieval-Augmented Generation (RAG) is the best approach - it retrieves relevant policy documents from a knowledge base and feeds them into the model context in real time, ensuring accurate and up-to-date responses.

Reference:

AWS Documentation - RAG with Amazon Bedrock

NEW QUESTION # 44

A company wants to use language models to create an application for inference on edge devices. The inference must have the lowest latency possible.

Which solution will meet these requirements?

- A. Incorporate a centralized small language model (SLM) API for asynchronous communication with edge devices.
- B. **Deploy optimized small language models (SLMs) on edge devices.**
- C. Incorporate a centralized large language model (LLM) API for asynchronous communication with edge devices.
- D. Deploy optimized large language models (LLMs) on edge devices.

Answer: B

NEW QUESTION # 45

A company is building an ML model to analyze archived data. The company must perform inference on large datasets that are multiple GBs in size. The company does not need to access the model predictions immediately.

Which Amazon SageMaker inference option will meet these requirements?

- A. Serverless inference
- B. Asynchronous inference
- C. **Batch transform**
- D. Real-time inference

Answer: C

Explanation:

Batch transform in Amazon SageMaker is designed for offline processing of large datasets. It is ideal for scenarios where immediate predictions are not required, and the inference can be done on large datasets that are multiple gigabytes in size. This method processes data in batches, making it suitable for analyzing archived data without the need for real-time access to predictions.

* Option A (Correct): "Batch transform": This is the correct answer because batch transform is optimized for handling large datasets and is suitable when immediate access to predictions is not required.

* Option B: "Real-time inference" is incorrect because it is used for low-latency, real-time prediction needs, which is not required in this case.

* Option C: "Serverless inference" is incorrect because it is designed for small-scale, intermittent inference requests, not for large batch processing.

* Option D: "Asynchronous inference" is incorrect because it is used when immediate predictions are required, but with high throughput, whereas batch transform is more suitable for very large datasets.

AWS AI Practitioner References:

* Batch Transform on AWS SageMaker: AWS recommends using batch transform for large datasets when real-time processing is not needed, ensuring cost-effectiveness and scalability.

NEW QUESTION # 46

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