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This AIF-C01 certification assists you to put your career on the right track and helps you to achieve your career goals in a short time period. There are several personal and professional benefits that you can gain after passing the AWS Certified AI Practitioner (AIF-C01) certification exam. The prominent AIF-C01 certification benefits include validation of skills and knowledge, more career opportunities, instant rise in salary, quick promotion, etc.

Amazon AIF-C01 Exam Syllabus Topics:

Topic	Details
Topic 1	• 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 2	• 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 3	• 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.
Topic 4	• 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 5	• 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.

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Amazon AWS Certified AI Practitioner Sample Questions (Q260-Q265):

NEW QUESTION # 260
A company is using few-shot prompting on a base model that is hosted on Amazon Bedrock. The model currently uses 10 examples in the prompt. The model is invoked once daily and is performing well. The company wants to lower the monthly cost.
Which solution will meet these requirements?

- A. Customize the model by using fine-tuning.
- B. Use Provisioned Throughput.
- C. Increase the number of tokens in the prompt.
- D. Decrease the number of tokens in the prompt.

Answer: D

NEW QUESTION # 261
A company wants to develop a solution that uses generative AI to create content for product advertisements, Including sample images and slogans.
Select the correct model type from the following list for each action. Each model type should be selected one time. (Select THREE.)
* Diffusion model
* Object detection model
* Transformer-based model
☐

Answer:

Explanation:
☐
Explanation:
☐
Diffusion models are state-of-the-art generative models for creating high-quality, realistic images from textual prompts or other forms of conditioning. These are the foundational technology behind tools like Amazon Bedrock Titan Image Generator and other generative image models.
Reference: AWS Generative AI Overview, Diffusion Models Explained - AWS Blog Transformer-based models (such as GPT or Amazon Titan Text) are designed for generating and understanding natural language. These models can generate coherent, contextually relevant slogans based on product information.
Reference: AWS Generative AI on Bedrock, Transformers Explained - AWS
Object detection models are designed to identify and locate objects within images, which makes them suitable for verifying that specific brand elements (like logos or products) are correctly positioned in the generated content.
Reference: AWS Rekognition Object Detection, Object Detection Overview - AWS

NEW QUESTION # 262
A company needs to use Amazon SageMaker AI for model training and inference. The company must comply with regulatory requirements to run SageMaker jobs in an isolated environment without internet access.
Which solution will meet these requirements?

- A. Encrypt the data at rest by using encryption for SageMaker geospatial capabilities.
- B. Run SageMaker training and inference by using network isolation.
- C. Associate appropriate AWS Identity and Access Management (IAM) roles with the SageMaker jobs.

- D. Run SageMaker training and inference by using SageMaker Experiments.

Answer: B

Explanation:
Network isolation is a key security feature for SageMaker. It ensures that training and inference jobs run in a VPC and are not accessible from the internet. Per the official SageMaker documentation:
"When you enable network isolation, your model can't make any outbound network calls. This is useful for security and regulatory compliance when working with sensitive data."

NEW QUESTION # 263

A company is using Amazon Bedrock Agents to build an application to automate business workflows.

- A. To evaluate user inputs and orchestrate actions for multiple tasks
- B. To enhance foundation models (FMs) with a prompting strategy
- C. To invoke foundation models (FMs) to process visual, audio, and text inputs
- D. To provide users with full control of querying external data sources and APIs

Answer: A

NEW QUESTION # 264

A customer service team is developing an application to analyze customer feedback and automatically classify the feedback into different categories. The categories include product quality, customer service, and delivery experience.
Which AI concept does this scenario present?

- A. Computer vision
- B. Recommendation systems
- C. Fraud detection
- D. Natural language processing (NLP)

Answer: D

Explanation:
The scenario involves analyzing customer feedback and automatically classifying it into categories such as product quality, customer service, and delivery experience. This task requires processing and understanding textual data, which is a core application of natural language processing (NLP). NLP encompasses techniques for analyzing, interpreting, and generating human language, including tasks like text classification, sentiment analysis, and topic modeling, all of which are relevant to this use case.
Exact Extract from AWS AI Documents:
From the AWS AI Practitioner Learning Path:
"Natural Language Processing (NLP) enables machines to understand and process human language. Common NLP tasks include text classification, sentiment analysis, named entity recognition, and topic modeling.
Services like Amazon Comprehend can be used to classify text into predefined categories based on content." (Source: AWS AI Practitioner Learning Path, Module on AI and ML Concepts) Detailed Explanation:
Option A: Computer visionComputer vision involves processing and analyzing visual data, such as images or videos. Since the scenario deals with textual customer feedback, computer vision is not applicable.
Option B: Natural language processing (NLP)This is the correct answer. The task of classifying customer feedback into categories requires understanding and processing text, which is an NLP task. AWS services like Amazon Comprehend are specifically designed for such text classification tasks.
Option C: Recommendation systemsRecommendation systems suggest items or content based on user preferences or behavior. The scenario does not involve recommending products or services but rather classifying feedback, so this option is incorrect.
Option D: Fraud detectionFraud detection involves identifying anomalous or fraudulent activities, typically in financial or transactional data. The scenario focuses on text classification, not anomaly detection, making this option irrelevant.
References:
AWS AI Practitioner Learning Path: Module on AI and ML Concepts
Amazon Comprehend Developer Guide: Text Classification (https://docs.aws.amazon.com/comprehend/latest/dg/how-classification.html)
AWS Documentation: Introduction to NLP (https://aws.amazon.com/what-is/natural-language-processing/)

NEW QUESTION # 265

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