1. Explain how machine learning can be used to solve a business problem, and describe the machine learning process in detail.
2. What is AWS SageMaker?What are the features of Amazon SageMaker?
3. What is Forecasting, Discuss Amazon Forecasting System.
4. What is Amazon Rekognition? What are the most common use cases for Amazon Rekognition?
5. What do you understand by Natural Language Processing? List any two real-life applications of Natural Language Processing?
6. What Are the Different Types of Machine Learning? Discuss How Machine Learning Works in AWS Sagemaker
7. Describe and Discuss AWS Sagemaker Components and Discuss how AWS Sagemaker it supports Machine Learning Process
8. What types of inappropriate, offensive, and unwanted content does Amazon Rekognition detect?
9. "syntactic analysis is a technique of analyzing sentences to extract meaning from it. Using syntactic analysis, a machine can analyze and understand the order of words arranged in a sentence. NLP employs grammar rules of a language that helps in the syntactic analysis of the combination and order of words in documents." Discuss the techniques used for syntactic analysis.
10. What is Object and Scene Detection?Can Amazon Rekognition detect object locations and return bounding boxes?
11. Discuss Reinforcement Machine Leaning with an example?
12. How to analyze data and evaluate machine learning models on Amazon SageMaker?
13. Discuss the functioning of Amazon Forecast. Discuss various features of Amazon Forecast
14. Discuss Computer Vision with respect to Amazon Rekognition Service and discuss Key features for stored video analysis?
15. What is Feature Extraction in NLP? Discuss Parsing in the context of NLP?
16. What is Time Series Data? Discuss the Challenges in processing streaming time series data. Explain it with respect to Amazon Forecast.
17. Discuss Metrics to Evaluate your Machine Learning Algorithm. Why Area Under Curve(AUC) is one of the most widely used metrics for evaluation.
18. How Hyperparameter Tuning Works in AWS Sagemaker?
19. Describe and Discuss AWS Sagemaker Components and Discuss how AWS Sagemaker it supports Machine Learning Process.
20. What is Feature Extraction in NLP? Discuss Parsing in the context of NLP
21. What Are the Three Stages of Building a Model in Machine Learning?
22. Explain the basic architecture of AWS SageMaker.
23. Prove the statement with justification "Amazon Forecast is a time-series forecasting service based on machine learning (ML) and built for business metrics analysis"
24. What are the stages in the lifecycle of a natural language processing?