AWS - Machine Learning Services

sl no	Service Name	Description	
1	Amazon SageMaker	SageMaker enables developers to create, train, and deploy machine-learning (ML) models in the cloud. SageMaker also enables developers to deploy ML models on embedded systems and edge-devices.	
2	Amazon Augmented AI	a new service that makes it easy to implement human reviews of machine learning (ML) predictions at scale. Amazon A2I provides built-in human review workflows for common machine learning use cases, such as content moderation and text extraction from documents, which enables you to review predictions from Amazon Rekognition and Amazon Textract.	
3	Amazon CodeGuru	CodeGuru provides intelligent recommendations for improving application performance, efficiency, and code quality in your Java applications.	CodeGuru Profiler: visualizes your application performance, showing you the methods that take the most time and CPU capacity to execute. This helps you diagnose and isolate root causes of application issues during operational events much faster. CodeGuru Reviewer: connects to code repositories such as GitHub, AWS CodeCommit and Bitbucket. It evaluates your code against best practices observed in popular open source code repositories and Amazon's own code base.
4	Amazon Comprehend	Is a natural language processing (NLP) service that uses machine learning to find insights and relationships in text.	
5	Amazon Forecast	Is a fully managed service that uses machine learning to deliver highly accurate forecasts. Based on the same machine learning forecasting technology used by Amazon.com.	
6	Amazon Fraud Detector	Is a fully managed service that makes it easy to identify potentially fraudulent online activities such as online payment fraud and the creation of fake accounts. Amazon Fraud Detector uses your data, machine learning (ML), and more than 20 years of fraud detection expertise from Amazon to automatically identify potentially fraudulent online activity so you can catch more fraud faster.	
7	Amazon Kendra	Is an enterprise search service that enables your users to intuitively search unstructured data using natural language. It returns specific answers to questions, giving users an experience that's close to interacting with a human expert. It is highly available and scalable, tightly integrated with other AWS services, and offers enterprise-grade security.	
8	Amazon Lex	is an AWS service for building conversational interfaces for applications using voice and text. With Amazon Lex, the same conversational engine that powers Amazon Alexa is now available to any developer, enabling you to build sophisticated, natural language chatbots into your new and existing applications.	
9	Amazon Personalize	Is a machine learning service that makes it easy for developers to add individualized recommendations to customers who use their applications. It reflects the vast experience that Amazon has in building personalization systems. You can use Amazon Personalize in a variety of scenarios, such as giving users recommendations based on their preferences and behavior, personalized re-ranking of results, and personalizing content for emails and notifications.	
10	Amazon Polly	is a cloud service that converts text into lifelike speech. You can use Amazon Polly to develop applications that increase engagement and accessibility.	
11	Amazon Rekognition	This service make easy to add image and video analysis to your applications. You just provide an image or video to the Amazon Rekognition API, and the service can identify objects, people, text, scenes, and activities. It can detect any inappropriate content as well. Amazon Rekognition also provides highly accurate facial analysis, face comparison, and face search capabilities.	
12	Amazon Textract	makes it easy to add document text detection and analysis to your applications. The Amazon Textract Text Detection API can detect text in a variety of documents including financial reports, medical records, and tax forms. For documents with structured data, you can use the Amazon Textract Document Analysis API to extract text, forms and tables.	
13	Amazon Transcribe	uses advanced machine learning technologies to recognize speech in audio files and transcribe them into text. You can use Amazon Transcribe to convert audio to text and to create applications that incorporate the content of audio files. For example, you can transcribe the audio track from a video recording to create closed captioning for the video.	
14	Amazon Translate	is a text translation service that uses advanced machine learning technologies to provide high-quality translation on demand. You can use Amazon Translate to translate unstructured text documents or to build applications that work in multiple languages.	
15	AWS DeepComposer	provides a creative, hands-on experience for learning generative AI and machine learning. With generative AI, one of the biggest recent advancements in artificial intelligence, you can create a new dataset based on a training dataset. With AWS DeepComposer, you can experiment with different generative AI architectures and models in a musical setting by creating and transforming musical inputs and accompaniments.	
16	AWS DeepLens	is a deep learning-enabled video camera. It is integrated with the several AWS machine learning services and can perform local inference against deployed models provisioned from the AWS Cloud. It enables you learn and explore the latest artificial intelligence (AI) tools and technology for developing computer vision applications based on a deep learning model.	
17	AWS DeepRacer	is an integrated learning system for users of all levels to learn and explore reinforcement learning and to experiment and build autonomous driving applications.	