AWS services involve are machine learning, developer tools and Other AWS provided services

**Machine Learning**

Traditional machine learning (ML) development is complex, expensive, time consuming, and error prone. AWS offers

**Amazon SageMaker -** to remove the difficult work from the process and empower you to build, train, and deploy ML models quickly

**Amazon Augmented AI** (**Amazon A2I**) - provides built-in human review workflows for common machine learning use cases

**AWS DeepLens** – programmable video camera

**AWS DeepRacer** – reinforcement learning

**Amazon comprehend** – natural language processing (NLP)

**Amazon forecast** – Timeseries forecast (for prediction)

**Amazon Lex** - the heart of Alexa, Chatbox

**Amazon personalize** – give real-time personalized recommendations

**Amazon polly** – speaking parrot, text into speech

**Amazon rekognition** – image/video recognition services

**Amazon textract** – extract text from handwritten notes or documents (OCR –optical character recognition)

**Amazon transcribe** – Audio to text

**Amazon translate** – language translation

**AWS deep composer** – ML keyboards (music composing)

**Amazon fraud detector** – detect fradulent activity

**Amazon kendra** – intelligent search

**Amazon code guru** – intelligent recommendation to improve code quality (code optimization service)

**Amazon devOps guru** – improve application operational performance

**Amazon lookout** – computer vision that spots defects

**Amazon monitron** – small device placed on machinery to detect abnormal behavior used in manufacturing industry

**AWS panrama** – computer vision on-premises camera to make prediction

**AWS neuron** – software development kit for running ML interface using AWS inferentia chips.

**Developer Tools**

Devops services provided by AWS are

**AWS code commit** – code management service, supports git-based repositories, easy collaboration, version control

**AWS code Build** – Integration service that complies source code

**AWS code deploy** – managed deployment service

**AWS code pipeline** – delivery service helps to automate your pipeline, integrate with third party developer tools – github , jerkins

**AWS code star** – end-to-end tool delivery services. Enable to develop, build and deploy applications on AWS

**AWS cloudShell** – browser-based shell, easy to manage & interact with AWS resource command line tool

**Other AWS Services**

**Amazon Simple Queue Service** (SQS)

**Amazon Simple Notification Service** (SNS)

**AWS App sync** – graphQL Api

**AWS step function** – serverless function orchestration make it easy to sequence AWS lambda function. Workflow configuration has built in error handling

**API gateway** – create, publish, maintain, monitor & secure APi at any scale. Supports restful Api & WebSocket APi

**Amazon Simple Email Service (SES)** - email service management

**Amazon WorkDocs** – management, secure content creation, storage (G docs)

**Amazon workSpace** – desktop virtualization services

**AWS amplify** – end-to-end platform to web & mobile developers to build scalable full stack application powered by AWS

**AWS device farm** – testing service

**AWS Elemental Media Convert** – file-based video transcoding services, modifying video formats

**AWS server migration service** – service to transfer data from on-premises to AWS

**AWS transfer family** – file transfer service in and out of s3

**AWS migration service** – service migration of db from on-premises to aws

**AWS professional service organization** – AWS partner network (APN)