**ML Model Deployment on AWS for Customer Churn Prediction**

**Business Overview:**

Churn rate, also known as turnover or customer churn, is the rate at which a customer suspends a transaction with a company. Most commonly, it is expressed as the percentage of service subscribers who cancelled their subscription within a certain time period. In this project, our aim is to deploy a model which predicts whether the customer is going to churn in the near future or not. Amazon Web Services (AWS) is used as a cloud provider.

**Target:**

To deploy a model on AWS which predicts whether the customer is going to churn in the near future or not.

**Tech Stack:**

➔ Language: Python

➔ Libraries: Flask, gunicorn

➔ Services: Flask, Docker, AWS, Gunicorn, Terraform

**Prerequisites:**

Following services are required to implement the project:

● Flask

● Terraform

● AWS s3

● Aws ECR

● AWS ECS

● AWS EC2 Load balancer

● AWS Code commit

● AWS Code Build

● AWS Code Deploy

● AWS Code Pipeline