Task: Customer Churn Prediction

Problem Statement

You are working as a data scientist for a telecommunications company, and your task is to build a machine learning model that predicts customer churn. Customer churn refers to the situation when customers decide to leave the company's services. Your goal is to develop a model that can accurately identify customers who are likely to churn, enabling the company to take proactive measures to retain them.

Dataset

The dataset for this task consists of customer information and their churn status. You can access the dataset [here](https://www.kaggle.com/datasets/blastchar/telco-customer-churn) (https://www.kaggle.com/datasets/blastchar/telco-customer-churn). It contains features such as customer demographics, service details, and churn status (whether the customer churned or not).