**Data from third party sources.**

This project did not include any data from third party other than data that was provided by the company. In future study there could be some scope of data that could be gathered from third party and used to fine tune the model. Since our trained model on the test set was already performing with more than 92% accuracy, we did not need to include data from third party.

**Dependencies for this project:**

Need to download the following libraries to successfully run the jupyter notebooks:

import numpy as np

import pandas as pd

import seaborn as sns

import matplotlib.pyplot as plt

%matplotlib inline

import warnings

from scipy.stats import zscore

warnings.filterwarnings('ignore')

sns.set\_style("whitegrid")

pd.set\_option('display.max\_columns',None)

from sklearn.model\_selection import train\_test\_split

from scipy import stats

from sklearn.preprocessing import MinMaxScaler

from imblearn.over\_sampling import SMOTE

from sklearn.model\_selection import train\_test\_split

from sklearn.ensemble import RandomForestClassifier

from sklearn.metrics import accuracy\_score, precision\_score, recall\_score, f1\_score, roc\_auc\_score

from imblearn.over\_sampling import SMOTE

from collections import Counter

from sklearn.linear\_model import LogisticRegression

from sklearn.tree import DecisionTreeClassifier

from sklearn.model\_selection import RandomizedSearchCV

from xgboost import XGBClassifier

from lightgbm import LGBMClassifier

from catboost import CatBoostClassifier