**Hello My name is Mayank Rastogi**

**hackerearth-machine-learning-challenge-predict-customer-churn** as in this challenge I have using various classification models and **one of them which give me good accuracy i.e., light GBM and 2nd One is XG Boost**.

Soo My approach is very simple that first.

I have importing necessary libraries from data manipulation and processing.

Now, I have read the data and convert into data frame using pandas pd

Now, **I perform some EDA By plotting some Basics graph to get some conclusion that how much data is distributed or not by separating data into categorical and continuous data and plots pair plot and box plot and check the null value and remove it by some suitable mand ad mode operation.**

Now, I have performing **feature engineering task** on different columns as such playing with joining date I have found the new columns that how much time customers stay by minus the joining date with today’s date and perform some null value Operation by replacing it like redundant data or replacing ‘? ‘with certain meaningful value

Now, building our model by splitting the data train into train\_test\_split after splitting, performing the scaling of both independent and dependent data and also perform label encoding before splitting the data after all this fit into different models and calculate the score and RMSE.

Last Part is to create the data frame for submission of (**.csv file** i.e.; our predicted results) in the form of their customer\_id and their Predicted churn risk score of that particular id.

**Tools I have used is only Google Collab to perform complete task.**