

# Details about the Developer

**Developer Name** : Aradhya Kumar

---

## Details about the Models

**Model Name** : ML MODEL

**Overview :**

The CLD model is developed as an account level score and scores all the ECM consumer accounts. It is developed us to the changes observed at a daily level and hence capturing the accounts with an early sign of financial distress. The model development went through four major stages: Performance Definition: The model uses performance definition of 'Bucket 3+ at the end of 18 months'. This definition has been obtained on the basis of a business analysis conducted with a terminal window of 24 months. A greater emphasis has been made on the user.

---

## Reasons for using the Model

The model uses performance definition of 'Bucket 3+ at the end of 18 months'. This definition has been obtained on the basis of a business analysis conducted with a terminal window of 24 months. A greater emphasis has been made on keeping the false positive rate lower given that Credit Line Decrease is a negative action to a customer. The business analysis is also supported by statistical analysis on the choice of target variable definition. In addition, forbearance, re-age and settlements in 18 months has been classified as bads. To minimize overlap between Good/Bad characteristics, 'indeterminate' has been assigned in the model development. Accounts with Bucket 2 at the end of performance window has been tagged as 'indeterminate' as accounts have higher false positive rate (~50%), but belongs to a negative segment.

---



AUC-ROC Curve

