**ML Assignment 2 (Binary Classification)**

**Perform EDA and build a model to predict loan default**

1. Perform data cleaning
2. Deal with missing and duplicate values
3. Perform Exploratory data analysis
4. Check Whether the classes are balanced or not
5. Explain which factors influence the default
6. Perform data preprocessing
7. Select best features for training the model (Feature engineering)
8. Train the model using several classification models and find the best model suitable for the problem
9. Use hyperparameter tuning to find best parameters for the algorithm
10. Evaluate the model using various classification evaluation metrics

Dataset link:

<https://drive.google.com/file/d/1yiYBvAipZEmPB9Mj5be9sP__ddG_LTVJ/view?usp=share_link>