**ML Project (Credit card Fraud)**

**Build a model to detect credit card fraud**

1. Perform data cleaning
2. Deal with missing and duplicate values if present
3. Check Whether the classes are balanced or not
4. Check the performance of models without dealing with imbalanced classes
5. Explain the use of under-sampling and over-sampling for imbalanced classification
6. Train the model using several classification models and find the best model after under-sampling the dataset
7. Train the model using several classification models and find the best model after over-sampling the dataset
8. Use hyperparameter tuning to find best parameters for the algorithm
9. Evaluate the model using various classification evaluation metrics

Dataset link:

<https://drive.google.com/file/d/1xiqCjwcCzspCXEk0oOvoKch1AOthuSp3/view?usp=share_link>