# **Online Payment Fraud Detection**

<https://www.kaggle.com/datasets/rupakroy/online-payments-fraud-detection-dataset>

As we are approaching modernity, the trend of paying online is increasing tremendously. It is very beneficial for the buyer to pay online as it saves time, and solves the problem of free money. Also, we do not need to carry cash with us. But we all know that Good thing are accompanied by bad things.

The online payment method leads to fraud that can happen using any payment app. That is why Online Payment Fraud Detection is very important.

**Online Payment Fraud Detection using Machine Learning in Python**

Here we will try to solve this issue with the help of machine learning.

The dataset we will be using have these columns –

|  |  |
| --- | --- |
| **Feature** | **Description** |
| step | tells about the unit of time |
| type | type of transaction done |
| amount | the total amount of transaction |
| nameOrg | account that starts the transaction |
| oldbalanceOrg | Balance of the account of sender before transaction |
| newbalanceOrg | Balance of the account of sender after transaction |
| nameDest | account that receives the transaction |
| oldbalanceDest | Balance of the account of receiver before transaction |
| newbalanceDest | Balance of the account of receiver after transaction |
| isFraud | The value to be predicted i.e. 0 or 1 |