**CAPSTONE PROJECT - 6**

**FRAUD ANALYSIS USING ML ALGORITHMS**

**Problem Statement**

In this capstone project, you are going to analyze customer’s purchase data set and build a machine learning algorithm to detect fraud purchases. And also, you are going to perform customer segmentation

**Dataset**

Purchase\_Fraud\_Data.csv

**Dataset Description**

**Train data – 151112(Rows) / 12 (Columns)**

Every row in this dataset contains information about purchases from multiple customers. Along with purchase details, we also have customer basic details like gender, date of birth etc. Individual column description as follows

* **User\_id**: Customer unique id
* **Signup\_time**: Date & Time at which the customer signup in the platform
* **Purchase\_time**: The latest purchase date & time from a customer
* **Purchase\_value**: Total purchase amount
* **Device\_id**: Unique device ID from which purchase was done
* **Source**: Medium through which customers reached the platform
* **Browser**: Browser used while purchasing
* **IP\_address**: IP Address from which purchase was done
* **Class**: Target class; 1 = Fraud transaction; 0=Regular transaction
* **Category**: Type of product purchased
* **Dob**: Date of birth of the customer