Credit Card Fraud Detection System

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Abstract: *This project is to detect the fraudulent transactions made by credit cards by the use of machine learning techniques, to stop fraudsters from the unauthorized usage of customers' accounts. The increase of credit card fraud is growing rapidly worldwide, which is the reason actions should be taken to stop fraudsters. Putting a limit for those actions would have a positive impact on the customers as their money would be recovered and retrieved back into their accounts and they won't be charged for items or services that were not purchased by them which is the main goal of the project. Detection of the fraudulent transactions will be made by using three machine learning techniques KNN, SVM and Logistic Regression, those models will be used on a credit card transaction dataset.*

Keywords: Credit Card Fraud Detection, Fraud Detection, Fraudulent Transactions, K Nearest Neighbors, Support Vector Machine, Logistic Regression, Naïve Bayes