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(57) Abstract :
Online Payment Fraud Detection using Data Science and Machine Learning in python Abstract: With the approach of modern times, the practice of making online payments is experiencing significant growth. Online payment offers significant benefits to the customer, as it not only saves time but also resolves the inconvenience of carrying extra cash. Furthermore, there is no need for us to carry any cash at any given moment. It is widely understood that wherever there is anything positive, there is also something negative. Online payment methods are susceptible to fraud, which can be perpetrated with any payment software. Hence, the identification of deceptive Online Payments is crucial. Internet buying poses a significant risk due to the prevalence of fraudulent transactions. The occurrence of fraudulent online transactions associated with them is become more common, impacting the financial transaction industry. While credit card holders have the privilege of using their cards for purchases, this system also has the capacity to hinder and frustrate them. To tackle these concerns, the system is specifically intended to handle transactions that exceed the customer's existing maximum limit. Through registration, we can acquire the essential data to determine if a person is behaving inappropriately. The emergence of internet payment systems has greatly enhanced the ease and efficiency of making payments. Simultaneously, there was an increase in illegal activities related to financial transactions. Instances of fraudulent transactions in online payments can happen to anyone utilising any payment system, although they are more prone to occur when payment is conducted through a credit card. Hence, it is crucial for credit card issuers to identify fraudulent online transactions to ensure that their clients are not billed for unauthorised purchases. If you have an interest in acquiring the skills to detect and recognise deceitful online money transactions, then this post is specifically tailored for you. In this essay, I will explain how to identify fraudulent online payments using machine learning and Python.

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