

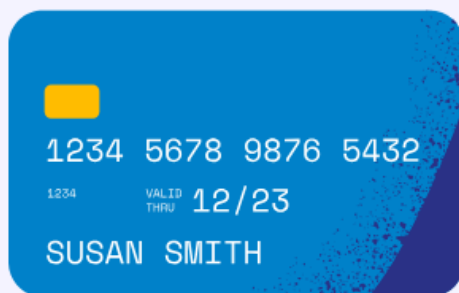
SECURECREDIT

CREDIT CARD FRAUD DETECTION

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OBJECTIVES



To design a system that can provide real-time fraud detection.



To reduce the financial losses incurred by banks due to fraudulent transactions.



To enhance the trust of customers in the banking system.

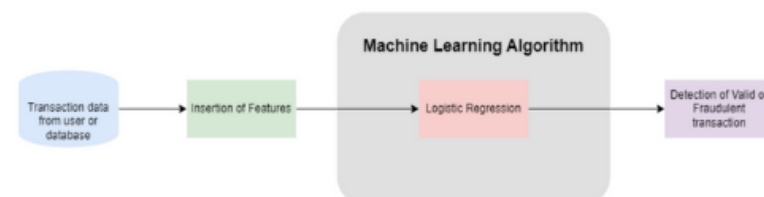
ABSTRACT

Credit card fraud detection is a crucial aspect of ensuring the security of financial transactions in the banking sector. This project focuses on developing a robust machine learning model to detect fraudulent activities, protecting both customers and banking institutions.

BENEFIT

- Enhanced security for financial transactions.
- Reduced financial losses for banking institutions.
- Increased trust among customers in the banking system.

FRAMEWORK



PROBLEM STATEMENT

Online fraud poses a significant threat to the banking sector, with scams targeting unsuspecting customers. Despite efforts to raise awareness, a substantial portion of the population remains vulnerable to these fraudulent schemes, causing significant financial losses.

- Data Collection and Preprocessing using Python
- Exploratory Data Analysis (EDA) using Pandas, Matplotlib & Seaborn
- Feature Engineering
- Model Selection and Training using Scikit Learn
- Model Evaluation and Optimization using Scikit Learn
- Model Deployment

METHODOLOGY