

# **Real Time Fraud Detection in Financial Transaction**

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**Abstract:** *Real-time fraud detection in financial transactions is a critical challenge in modern digital banking and payment systems due to the increasing volume and complexity of online transaction. This topic focuses on detecting financial fraud in real time. Financial transactions are increasingly vulnerable to sophisticated fraud techniques, resulting in significant losses. Real-time fraud detection systems use machine learning, data analytics, and rule-based approaches to identify suspicious activity and prevent unauthorized transactions. In recent times, the number of money fraud cases has increased, where fraudsters ask for OTPs and misuse financial transactions.*

**Keywords:** Real-time transaction analysis, financial fraud identification, anomaly-based detection, machine learning-driven security, risk evaluation mechanism, automated alert system

