

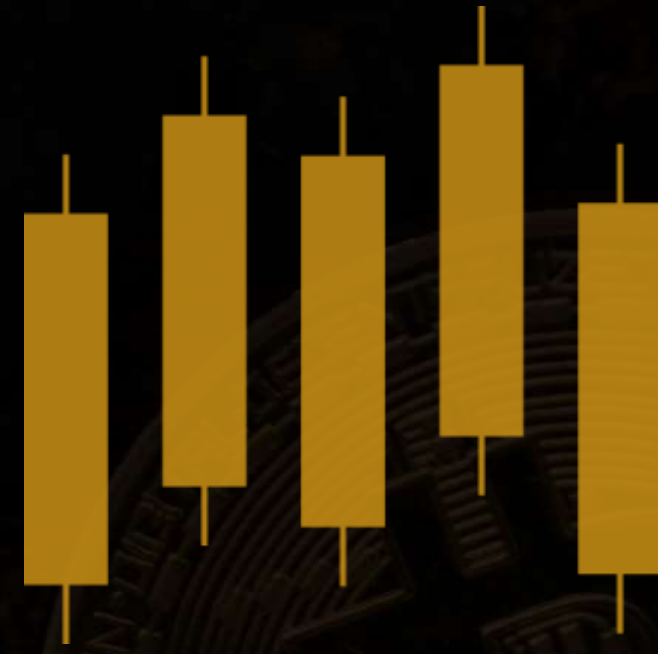
FRAUD DETECTION APP

REAL-TIME FRAUD DETECTION SYSTEM
USING CLAUDE

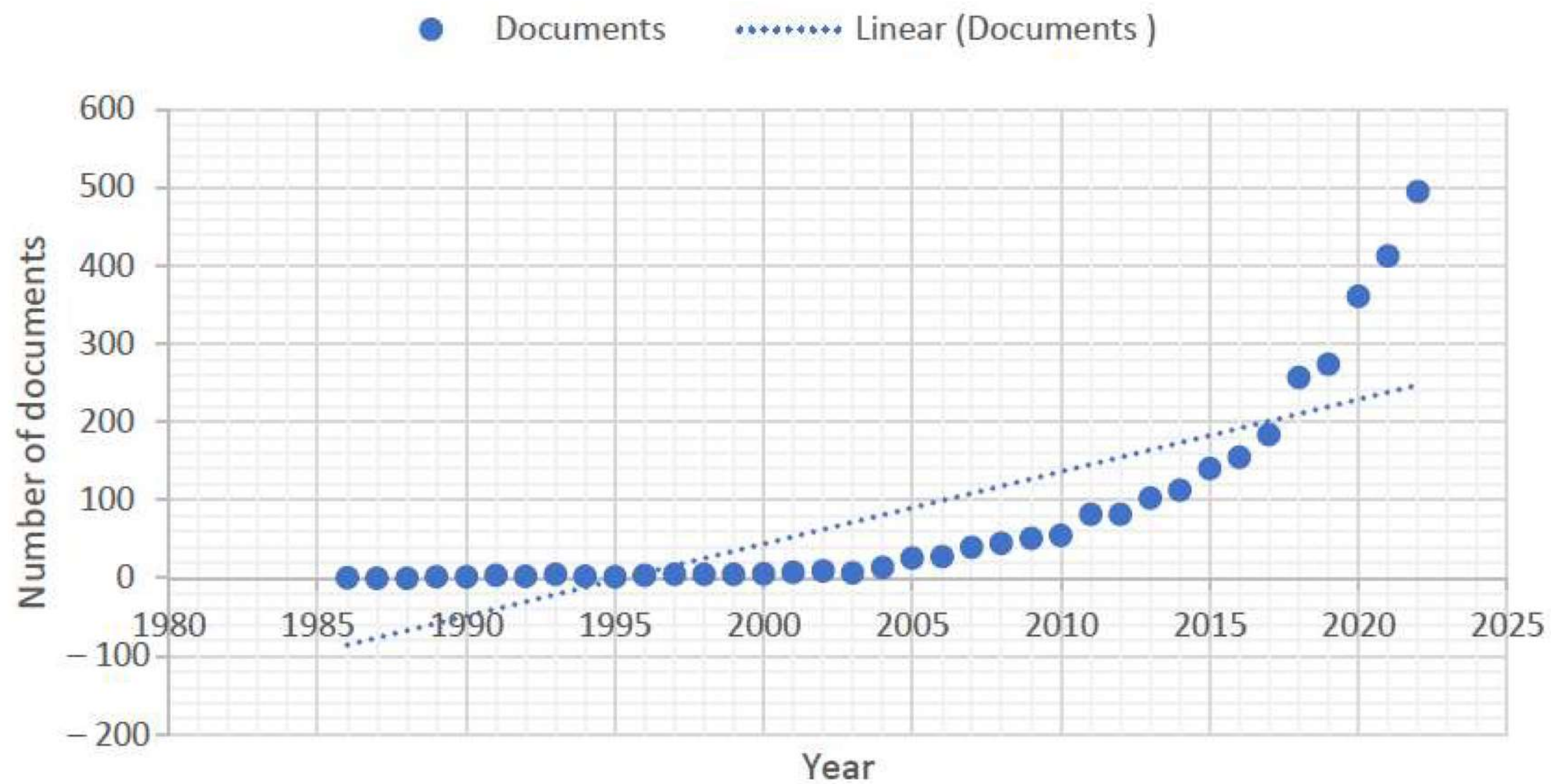
Our Team

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**Every day, millions of
transactions are happening
online in Pakistan**



The Problem



The incredible convenience of online transactions come with an alarming rise in fraudulent activities

The background features a dark, textured surface with a faint, circular watermark that reads "DIGITAL CURRENCY". In the center is a digital safe with a glowing yellow padlock and circuitry. Several US dollar bills are floating in the air around the safe.

Fraudsters are making even
secure systems vulnerable



**Fraud is draining billions from
businesses and consumers
every year.**



Reactive systems **detect fraud too late**

Real-time protection is essential in today's fast-paced digital world.

Fraud Detection App: **A crucial defense for** **businesses against** **evolving fraud** **threats.**

- Real-Time Fraud Detection
- improves detection accuracy using Machine learning
- User-Friendly Interface with visual insights
- Handles varying volumes of transaction data



First we take input transaction data

- The app preprocesses the data
- Machine learning algorithms analyze the transaction data in real-time
- flags suspicious transactions based on predefined thresholds and patterns learned from historical data
- If potential fraud is detected, the app sends immediate alerts



How Are We Better?

Feature	Our App	FraudLabs Pro	MaxMind	FraudGuard	Simility	Ravelin
Real-Time Fraud Detection	✓	✓	✗	✗	✓	✗
Machine Learning-Powered	✓	✗	✗	✗	✓	✓
User-Friendly Interface	✓	✓	✗	✗	✗	✓
Customizable Alerts	✓	✗	✗	✓	✗	✗
Scalability	✓	✗	✓	✗	✓	✗
Secure Data Handling	✓	✓	✓	✗	✓	✓

Demo

Upload Transaction Data

Choose a CSV file

Drag and drop file here

Limit 200MB per file • CSV

Browse files



sample_transactions (1).... ✕
0.6KB

Developed by [Your Name]

*** CONNECTING

Fork



Real-Time Fraud Detection System Using Claude

Please upload transaction data to analyze.

Demo

Real-Time Fraud Detection System Using Claude

Transaction Data

	Timestamp	Amount	TransactionType	Location	AccountID	PreviousTransactionHistory
0	2024-08-01 10:05:00	150	Purchase	New York	12,345	100
1	2024-08-01 10:10:00	2,500	Withdrawal	Los Angeles	54,321	1,500
2	2024-08-01 10:15:00	20	Purchase	Chicago	67,890	50
3	2024-08-01 10:20:00	5,000	Deposit	San Francisco	11,223	2,500
4	2024-08-01 10:25:00	75	Purchase	Houston	99,887	200
5	2024-08-01 10:30:00	3,000	Withdrawal	Miami	44,556	800
6	2024-08-01 10:35:00	45	Purchase	Dallas	78,901	150
7	2024-08-01 10:40:00	1,200	Deposit	Seattle	33,221	600
8	2024-08-01 10:45:00	10	Purchase	Boston	55,678	20
9	2024-08-01 10:50:00	8,500	Withdrawal	Las Vegas	11,234	3,000

Analyzing for Anomalies... 

Run Real-Time Analysis

Demo

Fraud Detection Results

Here are the potentially fraudulent transactions I identified:

TransactionID 2: A 2,500*withdrawal in Los Angeles shortly after a*150 purchase in New York. The large withdrawal amount and quick change in location are potential indicators of fraud.

TransactionID 6: A 3,000*withdrawal in Miami shortly after a*75 purchase in Houston. Again, the large withdrawal amount and quick change in location seem unusual.

TransactionID 10: An \$8,500 withdrawal in Las Vegas is a very large amount compared to the previous transactions for that account. This could potentially be fraudulent, especially if there is no history of withdrawals this size for that account.

The other transactions do not seem obviously fraudulent based on the information provided. Of course, additional context around the customer's transaction history and behavior could provide more signals to identify other fraudulent activity. Let me know if you would like me to explain my reasoning for any of these assessments in more detail.



How it works?

Step 1: Data Input

Users provide transaction data by uploading files or connecting to a live data stream. The app supports various data formats, ensuring smooth integration with different sources.



Step 2: Data Processing

The app cleans and pre-processes the data, removing any inconsistencies or errors. Data is structured in a way that optimizes it for analysis, ensuring accuracy in fraud detection.



Step 3: Real-Time Analysis

Machine learning algorithms analyze the data in real-time, identifying patterns and anomalies that may indicate fraudulent activities.



Step 4: Fraud Detection

Flags suspicious transactions based on predefined thresholds and patterns learned from historical data. If potential fraud is detected, the app sends immediate alerts



THANK YOU