Advanced Credit Card Fraud Detection

Our AI-powered system analyzes transactions in real-time to identify and prevent fraudulent activities, protecting your business and customers.

Try Our Demo

How We Protect Your Transactions

Real-Time Analysis

Our system evaluates each transaction in milliseconds, using machine learning to detect suspicious patterns as they occur.

Behavioral Profiling

We build unique spending profiles for each cardholder to identify deviations from normal behavior.

Geo-Location Verification

Cross-references transaction locations with cardholder patterns to flag impossible travel scenarios.

Device Fingerprinting

Identifies devices used for transactions to detect sudden changes or suspicious device clusters.

Velocity Checking

Monitors transaction frequency to detect rapid sequences of purchases that may indicate fraud.

Dark Web Monitoring

Scans underground markets for compromised card information that might be used fraudulently.

Fraud Detection Demo

Try our interactive demo to see how our system analyzes transactions for potential fraud.

Transaction Amount ($)

Transaction Location

Select a location

Time of Day

Select time

Merchant Category

Select category

Recent Transaction Frequency

Select frequency

Analyze Transaction

Fraud Detection Demo

Try our interactive demo to see how our system analyzes transactions for potential fraud.

Transaction Amount ($)

10000

Transaction Location

High-risk country ⌄

Time of Day

Nighttime (8PM-8AM) ⌄

Merchant Category

Gift Cards ⌄

Recent Transaction Frequency

First transaction today ⌄

Analyze Transaction

⚠ Potential Fraud Detected

Our system has identified this transaction as potentially fraudulent based on:

- High transaction amount
- Transaction in foreign/high-risk location
- Unusual nighttime purchase in gift_cards category
- High-risk purchase category: gift cards

Recommendation: Verify with cardholder before processing.

Fraud Detection Demo

Try our interactive demo to see how our system analyzes transactions for potential fraud.

Transaction Amount ($)

100

Transaction Location

Same country, different city

Time of Day

Daytime (8AM-8PM)

Merchant Category

Groceries

Recent Transaction Frequency

First transaction today

Analyze Transaction

☑ **Transaction Appears Legitimate**

This transaction matches expected spending patterns.

Recommendation: Likely safe to process.