

RAJASTHAN POLICE HACKATHON 1.0



Team Name: **Kritimdhi.ai**

Team Members: **Raunak Kumari, Vishal Saini**

Problem Statement: **Developing Financial Fraud Detection & Analysis Software**

MONETARY LOSSES

**LEGAL
CONSEQUENCES**



**REDUCE TRUST IN
FINANCIAL
INSTITUTIONS**

IDENTITY THEFT

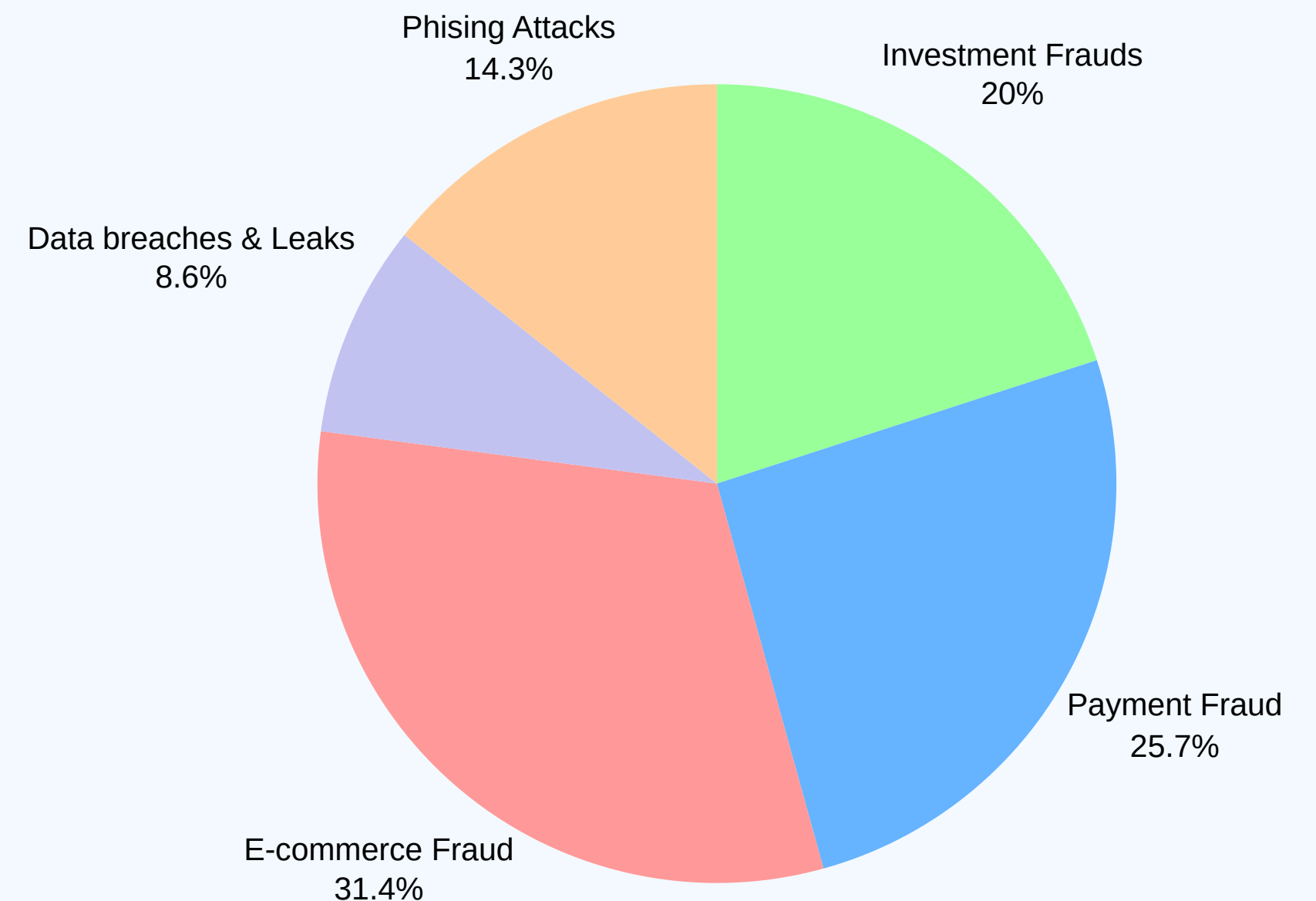
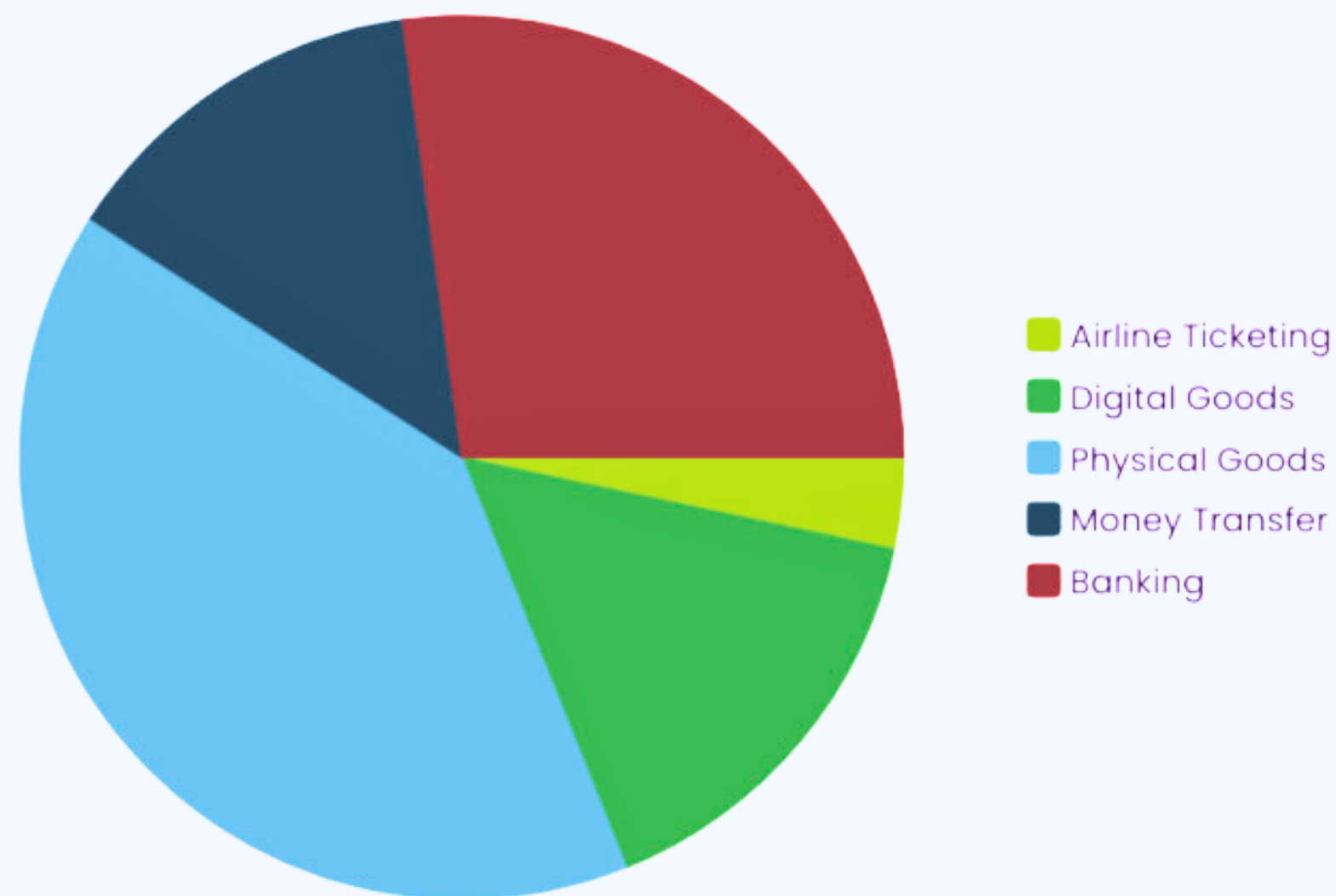
**ECONOMIC
CONSEQUENCES**

list goes on...

CARD AND INTERNET-BASED FINANCIAL FRAUD ON THE RISE...

RS. 276 CRORE LOST IN CREDIT/DEBIT CARD FRAUD IN 2022-23 ALONE.

OVER 95,000 UPI FRAUD CASES REPORTED IN 2022-23.



SOURCE: RBI ANNUAL REPORT
& JUNIPER RESEARCH



वित्त सुरक्षा कवच

आपकी सुरक्षा हमारी प्राथमिकता है।

HOW "वित्त सुरक्षा कवच" WORKS ?



वित्त सुरक्षा कवच

**STOP TRANSACTION
IF HIGH PROBABILITY
OF FRAUD**



GIVE ALERTS



**IDENTIFY FRAUD
PATTERNS**



WORKING PROTOTYPE I : वित्त सुरक्षा कवच

Deploy

Select Sender and Receiver Accounts:

Sender Account:

Cyber Police Rajasthan

Receiver Account:

Kritimdhi.ai

Hypothetical Balance:

Balance for Cyber Police Rajasthan (oldbalanceOrg):

50000

Press Enter to apply

Balance for Kritimdhi.ai (oldbalanceDest):

0.00

Transaction Details:

Insert time (1 unit = 1 hr):

0

Payment Options?

PAYMENT

Insert Transaction Amount:

0.00

Is transaction flagged fraud ?

WORKING PROTOTYPE II:

FINANCIAL FRAUD DETECTION AND ANALYSIS SOFTWARE FOR CYBER-POLICE

Kritimdhi.ai (RJPOLICE_HACK_527) [Home](#) [Team](#)

Financial Security Shield (वित्त सुरक्षा कवच)

Insert time (1 unit= 1 hrs)

0.00 - +

Payment Options?

TRANSFER| ▾

Insert Amount :-

0.00 - +

What was sender old balance :-

0.00 - +

What was receiver old balance :-

0.00 - +

is transaction flagged fraud ?

Choose an option ▾

Predict

ABOUT OUR ML MODEL

We evaluated multiple models and selected Random Forest Classifier for its:

- **Exceptional accuracy (98.54%)**
- **Ability to handle complex, non-linear relationships in data**
- **Robustness to overfitting**



OUR VISION FOR वित्त सुरक्षा कवच



REACHING GLOBAL AUDIENCE



Expanding throughout India

- Giving Multilingual Support For Software
- Spreading Awareness
- Partnering with various financial institutions
- Targeting different verticals

Deepening Fraud Analysis

- Automated Investigation
- Behavioral Profiling
- Predictive Modeling
- Uncovering larger criminal networks

Expanding functionalities

- Risk scores for each transaction
- More better & advance analytics

IMPACT

LONG TERM IMPACT

Making Online Presence Safe
and free from fraudsters

INTERMEDIATE IMPACT

Anticipating fraud trends
and high-risk areas,

Disrupting criminal
networks,

Increased awareness about
Financial frauds

INITIAL IMPACT

Enhanced Security & Trust,
Reduced Financial Losses



वित्त सुरक्षा कवच

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