



GALGOTIAS Educational Institutions

THEME : FINTECH



GALGOTIAS international hackathon



Problem Statement

**How to keep businesses safe and secure
with next-gen fraud & risk management**

Team Name - A+I Architects

Team Leader - Adarsh Chaurasiya

Team Member - Adarsh Sharma

Team Member - Aditya Chand

Team Member - Apoorv Gupta

Problem Description

In contemporary India, a growing threat lurks in the form of fraudulent calls targeting unsuspecting individuals. Scammers employ manipulative tactics, posing as legitimate entities to instill fear by falsely claiming that the victim's bank account is at risk of being blocked. To avert this fictitious crisis, they cunningly request the victim's One-Time Password (OTP) under the guise of security verification. Tragically, this deceptive maneuver results in the loss of hard-earned money for those who fall prey to these scams. In the digital age, it is crucial for individuals to remain vigilant, recognizing such schemes and safeguarding their financial information from these nefarious actors.

WHY THIS IS AN ALARMING ISSUE ?

 Moneycontrol
<https://www.moneycontrol.com> › o...

Online financial frauds account for 77.41% of India's total cybercrime ecosystem

 India TV News
[Cybercriminals combine voice phishing and OTP grabbers to steal more data: Report](#)
 25 Sept 2023

 The Times of India
<https://timesofindia.indiatimes.com> › ...

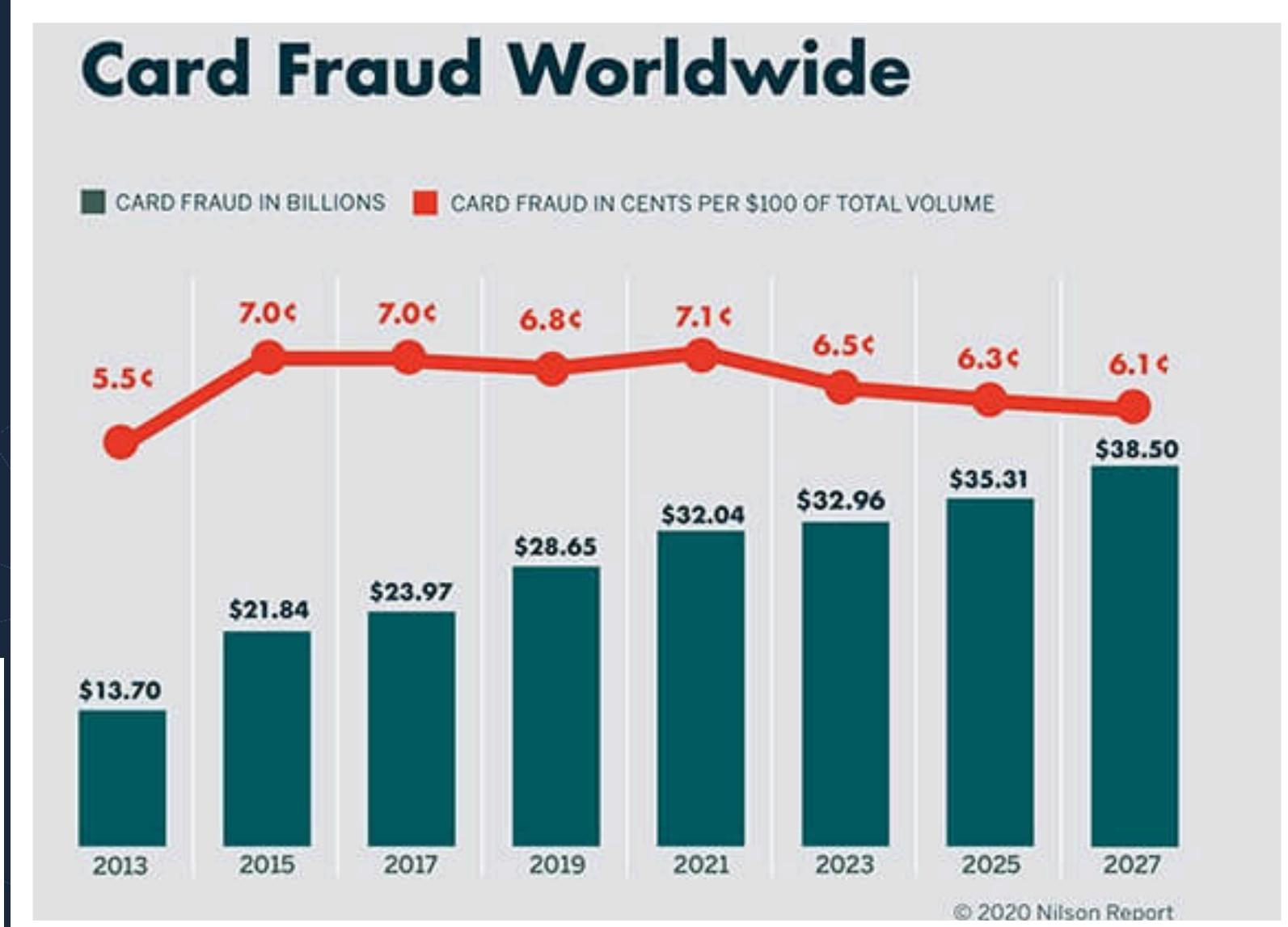
Pune: Senior citizen loses Rs 2.2 lakh in debit card fraud
 21 Apr 2023 – PUNE: A 64-year-old gardener from

 CNBCTV18.com
<https://www.cnbctv18.com> › otp-fra...

OTP frauds increases three times post pandemic, continues to be a common ...

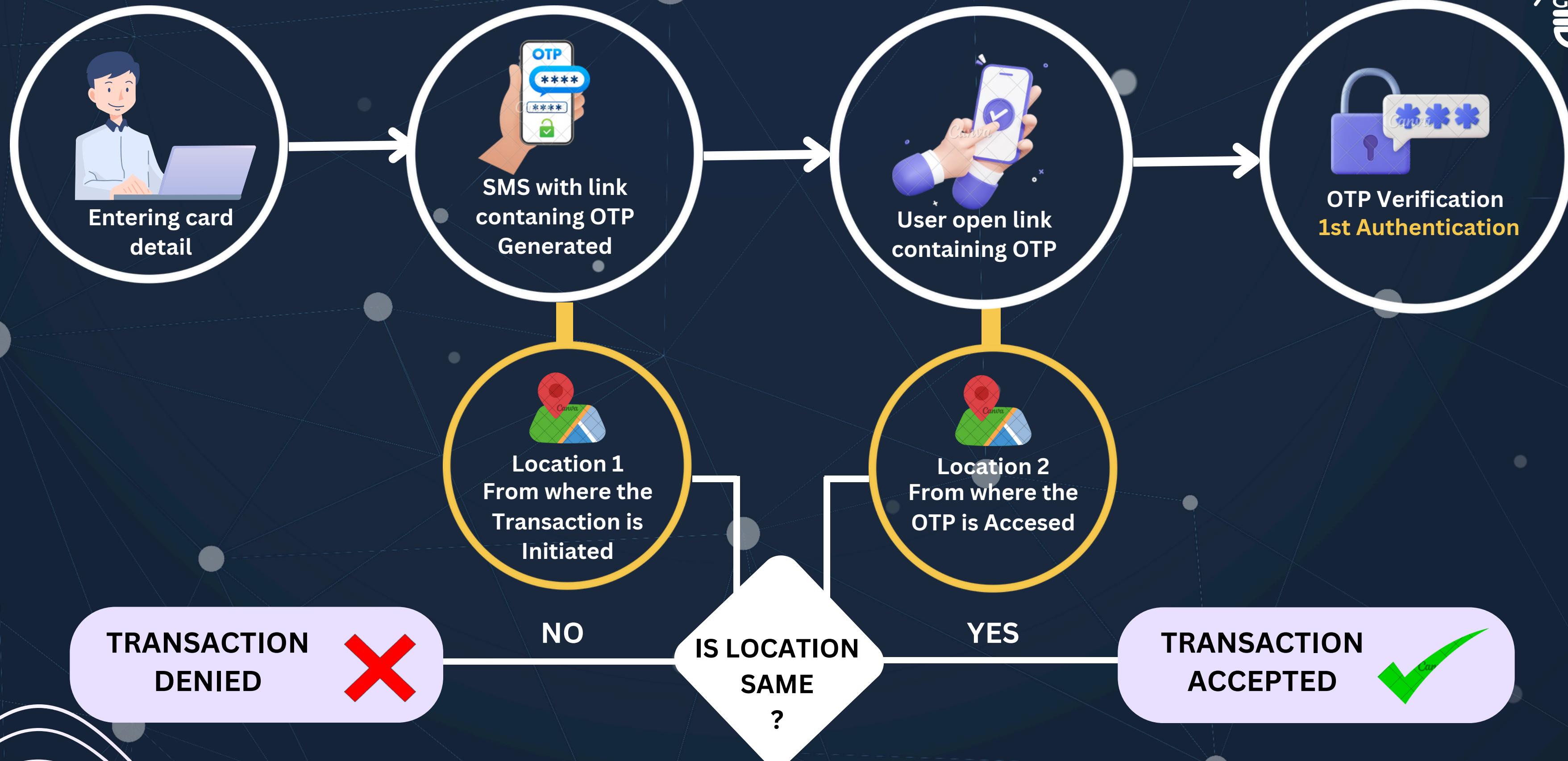
 The Indian Express
<https://indianexpress.com> › business

Card, internet frauds increase to Rs 155 crore in 3596 cases



Sources:- Indian Express, The Hindu, India TV, CNBC TV, Money Control ,Nilson Report 2020,etc.

Our Solution





Technical Feasibility/Methodology

Available Technology: Assessing whether the necessary technology, tools, and platforms exist to implement the proposed solutions.

Infrastructure Requirements: Determining whether the necessary hardware, software, and networking infrastructure are available

Scalability and Performance

Technology Used For Location Detection

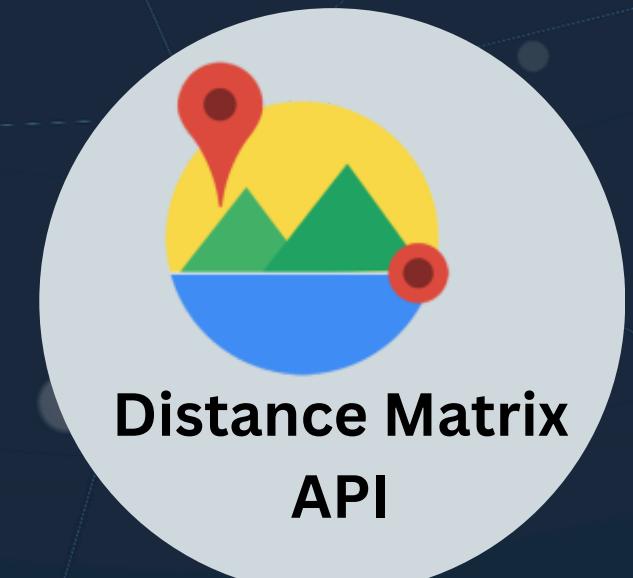
- Django Geolocation API to get user's current location .
- Distance Matrix Service API to calculate distance between two locations.



Google
Distance Matrix API



TECHNOLOGY USED



Contribution to Society



- The more secure payment system significantly contributes to society by fostering trust and reducing financial risks.
- Enhanced security measures protect individuals and businesses from fraud, identity theft, and unauthorized transactions, creating a safer environment for financial transactions. This increased confidence encourages more people to participate in online and digital transactions, promoting economic growth and financial inclusion.



USP (unique selling point)

- 1-: Real-Time Monitoring and Response**
- 2-: Enhance Security**
- 3-: Comprehensive Risk Assessment**
- 4-: Seamless Integration**



ENVIRONMENTAL SUSTAINABILITY

Efficient Data Processing

Encouraging Digital Literacy

Paperless Transactions



Thank You