



Digi Sahayak

RACCAM

**RAJASTHAN POLICE CYBER CRIME
AWARENESS MISSION**



*Presented by Team : HACKERX
Team Id - 1330*

Problem Statement - 12

- **Rise of Cryptocurrency in Illicit Activities:-**
Cryptocurrencies are being used in activities like fake dating profiles, ransomware, investment scams, darknet criminal businesses, and ponzi schemes.
- **Difficulty in Investigation:-**Investigating the flow of cryptocurrency becomes difficult due to various methods of hiding and mixing funds.

OUR IDEA

DIGI SAHAYAK

*Crypto Flow
Investigator*

Digi Sahayak

Advanced Vision Deep Dive

TransactionId	From	To	Value
0xfcfd242e8ec...	0xae2fc48352...	0x6b75d8af00...	9166682...
0x689d19c8d1...	0xef0ebbf65f...	0x1151cb3d86...	0
0xa059bad2a4...	0xef0ebbf65f...	0xdef1c0ded9...	0
0xee0a2f7626...	0x2a97e3735c...	0x3fc91a3afd...	0
0x5b274f5f05...	0x09b5095176...	0x3fc91a3afd...	0

Prev 1 Next

Ride the Crypto Wave with Cryptoflow: Your Ultimate Tracker for Seamless Insights

Transaction address

Comprehensive Tracking



Realtime Transaction Record

Investigating even the
internal flow

0xDDABA0cc9439775605aa62271815c1306827B5C5

Visualize Analyze

	Transaction Hash	Block	From	To	Value
	0x0f15c5497d...	19029513	0xddaba0cc94...	→	0x23b50deff...
	0xae9f43c020...	19029510	0xddaba0cc94...	→	0x0000000000...
	0xaabb429b3...	19029508	0xddaba0cc94...	→	0xb2ecfe4e4d...
	0xc20ab180e...	19029506	0xdb399b65a0...	→	0xddaba0cc94...
	0xc4ede18ef1...	19029485	0xddaba0cc94...	→	0x0000000000...

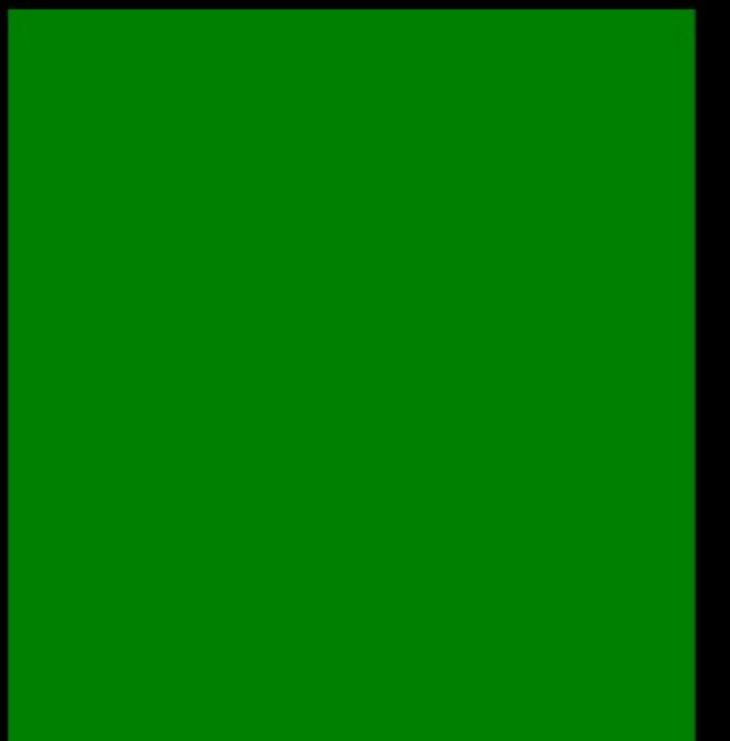
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Creative Visualisation

4E17
4E17
3E17
3E17
2E17
2E17
1E17
5E16
0

Transaction Value



Outgoing Transactions

**Total Transaction
inflow & outflow**

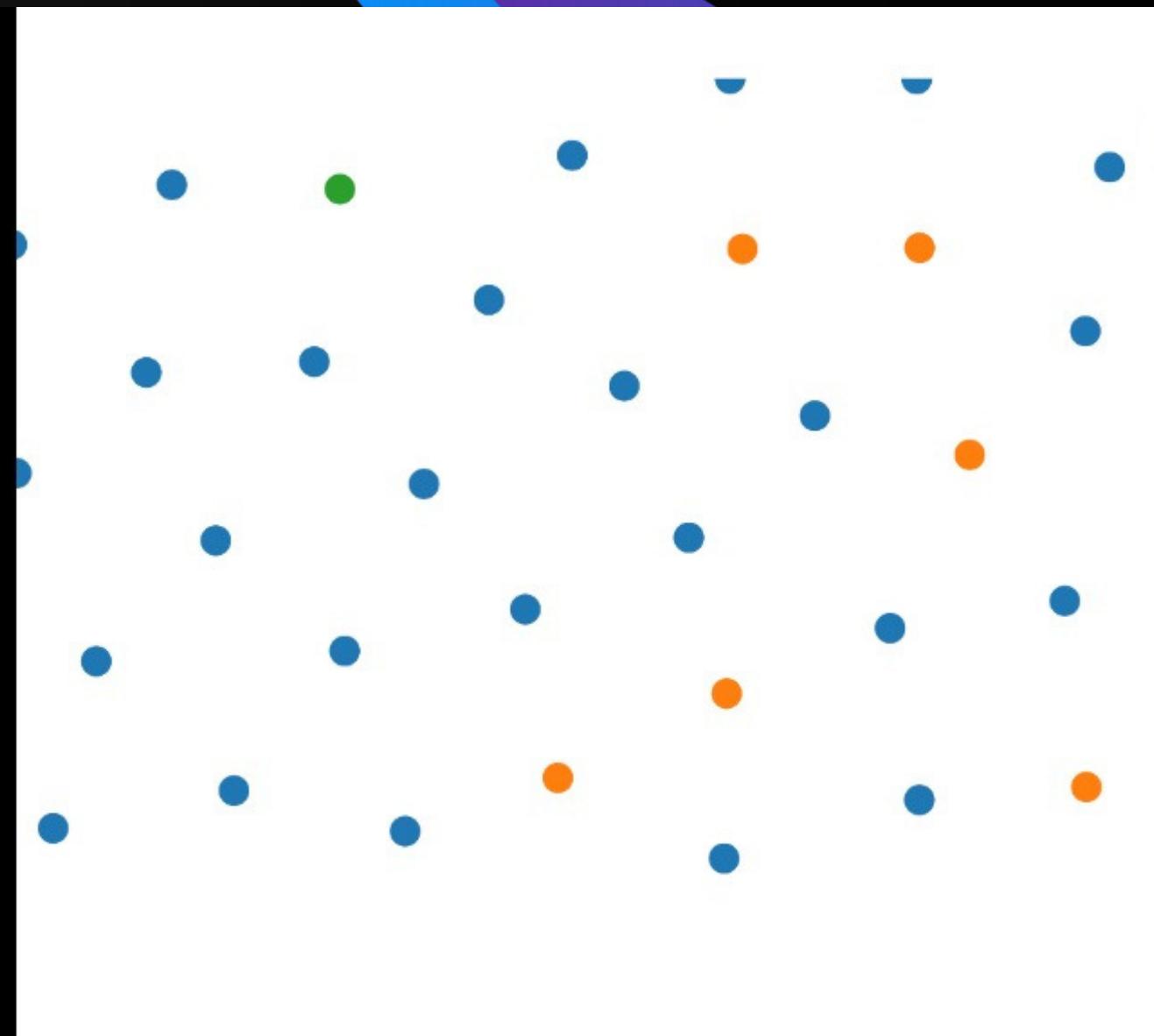
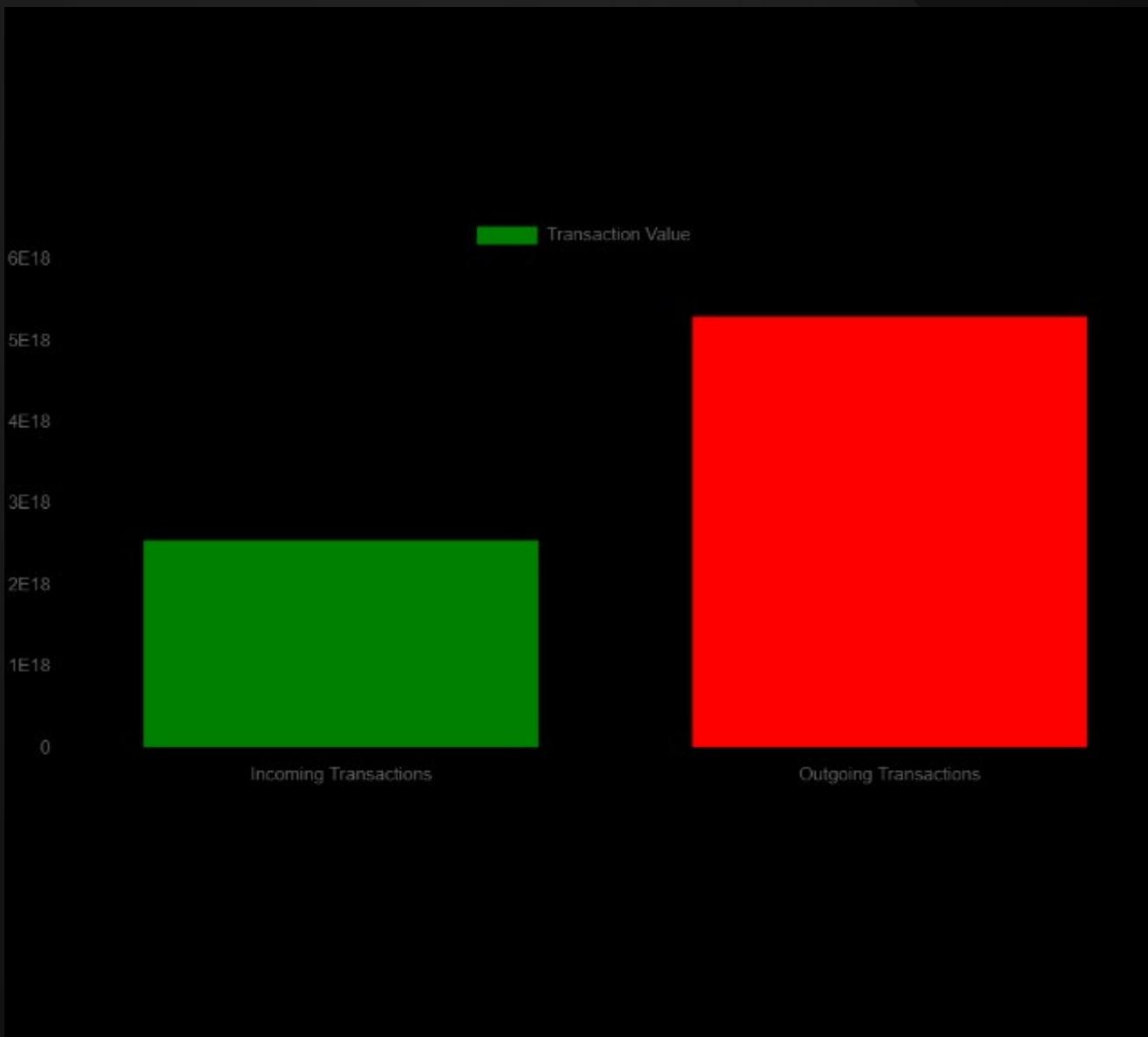
Implementation using
chart.js

Creative Visualisation



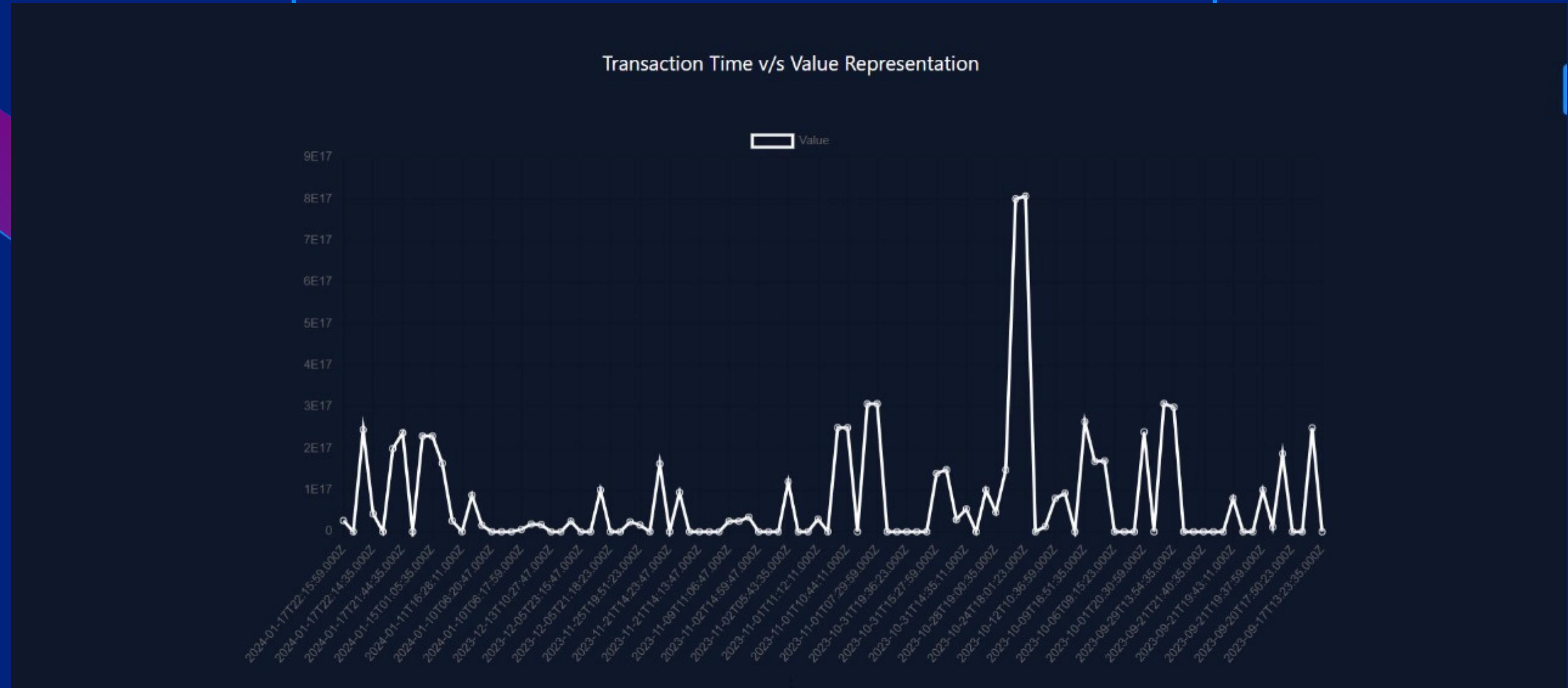
Network Analysis using d3.js

Node to Node Transaction
Representation



Suspicion Analysis

- Transaction Time v/s Value Plot



Advanced Vision

- High Value Transactions

Filtered High Value Transactions

Chain	Address	TxnHash	Value
ETH	0x866ba5a122...	0x49aeeb61f9...	4.020328857e-9
ETH	0xde0b295669...	0x4f4d7d05fc...	8.271e-15
ETH	0x56ee7d1d1c...	0xe76045445a...	2.05142812e-10
ETH	0x1c1fb35334...	0x4cb4ba13d0...	4.9999e-14
ETH	0x1c1fb35334...	0x6199c8ad96...	4.9999e-14

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Deep Dive Analysis

- *Internal Block to Block Transactions*

Internal Block To Block Transactions

Block Hash	From	To	Value
 0x8e38b4dbf6b11fcc3b...	0x39fa8c5f27...	0xc083e9947c...	100
 0x8e38b4dbf6b11fcc3b...	0x32be343b94...	0xdf190dc719...	0.43719498
 0xcb5cab7266694daa0d...	0x2a65aca4d5...	0x819f4b08e6...	1.04885024
 0x95c3a05973fec7bf98...	0x2910543af3...	0x9e486ad335...	1
 0x95c3a05973fec7bf98...	0x10d5bff787...	0xc6c764fc6c...	1

Future Prospectus

Expansion to multiple chains

like Avalanche, Polygon , Linea, etc

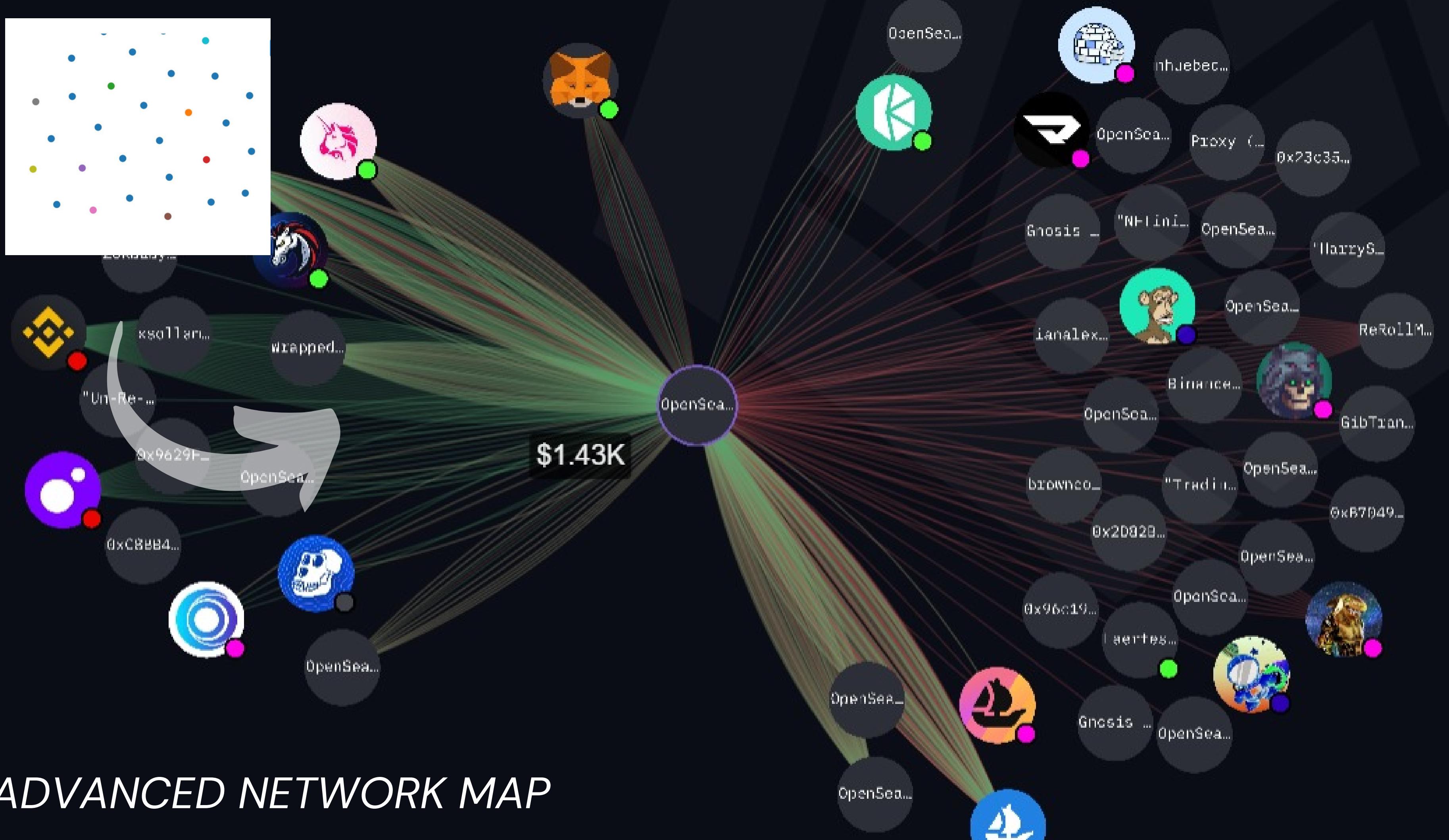
Pattern Match Model Training

to precisely detect the behavioural transaction pattern of the user

DEX AI Auditor

to create a platform that can autonomously audit and monitor transactions for suspicious activities

ADVANCED NETWORK MAP



TEAM - HACKERx

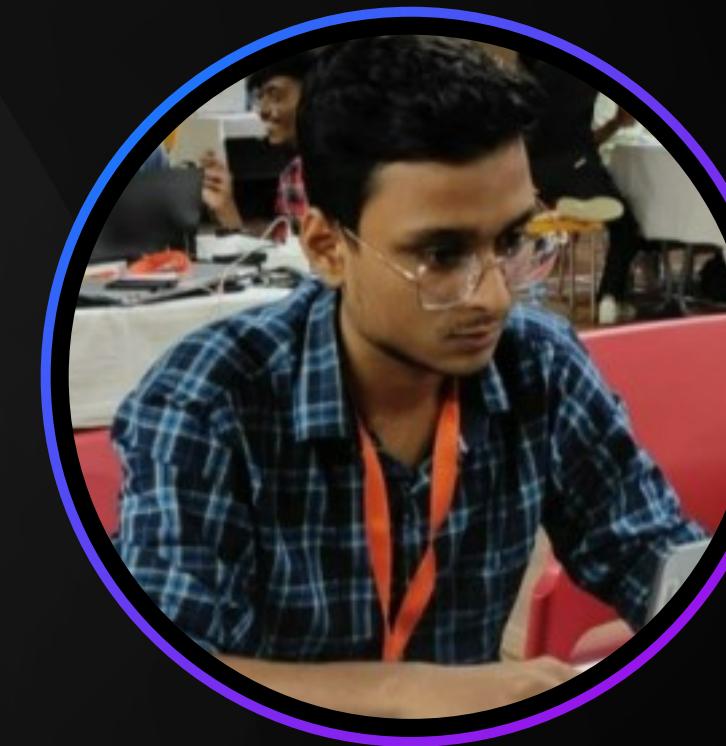
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SAHIL ROHERA



YASH RAJ HANS



YASH SINGHAL

THANK YOU

For watching this presentation

