

# XChainAnomaly: Complete System Architecture

## Data Collection

Cross-Chain Transactions

Malicious Address Lists

Alchemy API Transfers

Tornado Cash Events

## Feature Engineering

Transaction Features

Address Features

## ML Models

Model 1:  
Transaction Classifier

Model 2:  
Address Classifier

Model 3:  
Hybrid Multi-Output

## Predictions

Binary:  
Malicious/Not

5-Class:  
Address Type

Dual 5-Class:  
Src + Recipient

