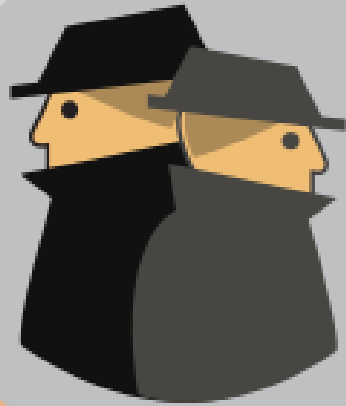# TEAM ODDITY PRESENTS

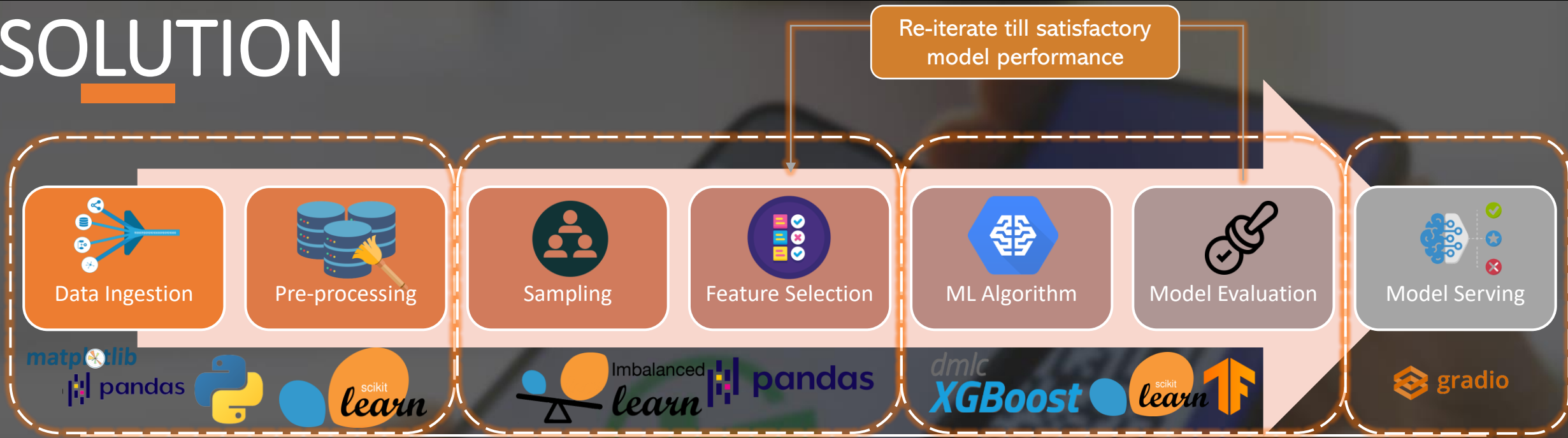## Team Members

Shreya Agarwal **Harshal Jaiswal**

Problem Statement

Advances in technology give criminals increasingly powerful tools to commit fraud, especially using credit cards or internet bots. Digital banking opened the sector to new fraud scenarios, which are posing a great challenge for human analysts, due to their complexity, speed and scale. So, we bring to you, Oddity! Yes, Oddity is the new age fraud detection and prevention system. It detects fraudulent transaction with users previously buying pattern and natural behavior!

FRAUD DETECTION IN FINANCIAL SERVICES

SOLUTION

Re-iterate till satisfactory model performance

| Data Ingestion | Pre-processing | Sampling | Feature Selection | ML Algorithm | Model Evaluation | Model Serving |

matplotlib pandas scikit learn

Imbalanced learn pandas

dmlc XGBoost scikit learn TF

gradio

BENEFITS TO ENTERPRISE

➢ Along with monitoring all the transactions and high-risk anomalies continuously, enterprise can use this web application to enable real-time decision making.

➢ This solution can help instill enterprise-wide analytics culture through data visualizations at all the levels.

➢ On deploying the webapp, enterprise can employ layered security techniques to avoid fraud attacks.

FUTURE SCOPE OF WORK

➢ Oddity will help Enterprise user to detect fraud in real-time with continuous training and feedback loop.

➢ Integration with Cloud would be the next step to make the solution more scalable so that our Expert Monitoring system aids in detecting fraud in real-time for large number of transaction.

➢ Omnichannel fraudulent transaction will be detected with blockchain ledger technology.