Team Name: The Ai Pioneers

Problem Statement: Fraud App Detection

Brief about the idea:

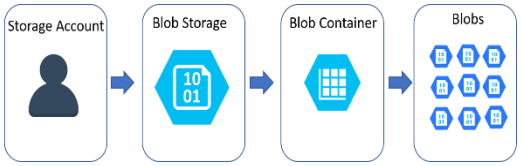
The solution that we have devised is that we start with scrapping real time data from app hosting platforms category wise and then based on data we do collected we do an extensive recursive analysis which includes the app's meta data and based on the similarity percentage obtained its categorized into fake app or real app and once the fake app is detected a notification is sent via sms to user as well as updated in real time database.

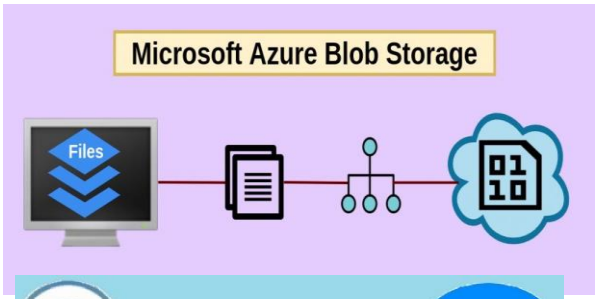
Then we use machine learning studio to train and deploy the model

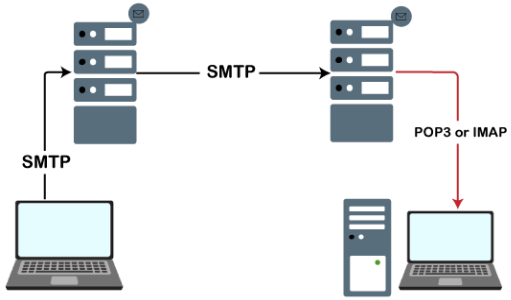
Opportunity:

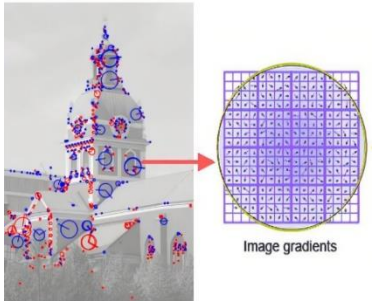
- The Protection via the Internal Security App, and Personalization technologies are used by the Common Fraud App Detectors.
- However, these technologies are less accurate because many fraudulent apps are available on the Google Play market and are not picked up by these techniques.
- Our approach expands on existing techniques and gets over their drawbacks.

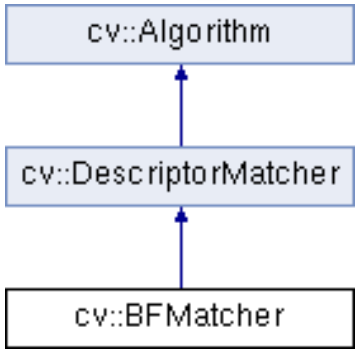
List of features offered by the solution:











Python 3

OpenCV

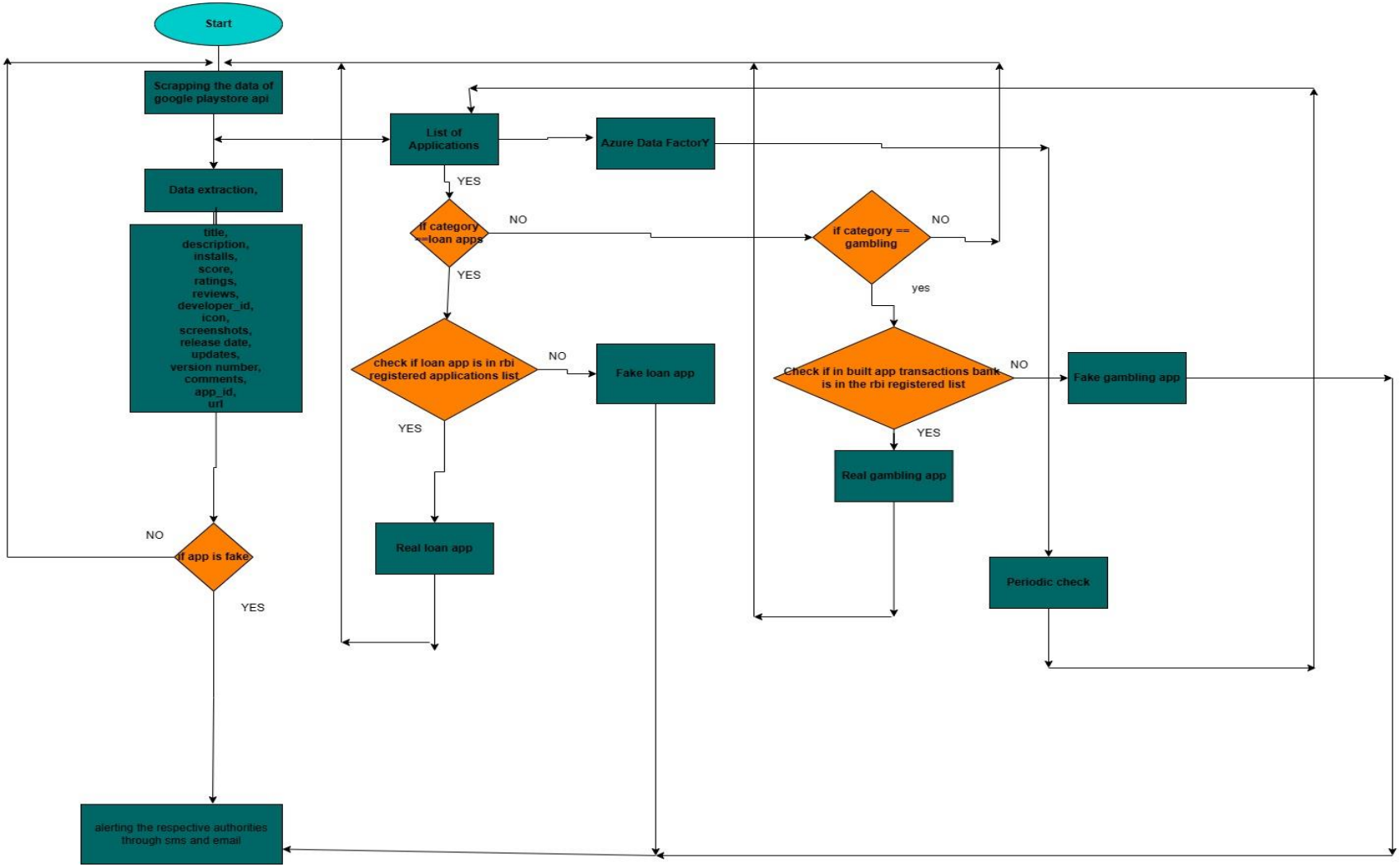
Firebase

twilio Rest API

APKTOOL

Azure Machine Learning

Business Logic of the solution:



Technology Used :

- Machine learning, can all be used in fraud detection apps to identify and prevent fraudulent activities.
- OpenCV provides a wide range of algorithms for image and video processing, machine learning and computer vision.
- Pytesseract can be easily integrated with other Python libraries, such as Matplotlib, for advanced image processing tasks.
- NLP can be used to analyze the sentiment of text data, such as customer reviews, and provide insights into the overall attitude towards a product or service.
- Google scrapers can be used to collect large amounts of data from Google search results for analysis and research purposes.
- Simphile can be used for easy access to text similarity methods that are language agnostic and much faster in execution time than methods that employ text embeddings.
- The other technologies used are :
  Firebase,Apktool,Twilio,Microsoft Azure Machine Learning Studio

Estimated cost of/after implementing the solution :

- The cost of implementing a fraud detection app using machine learning such as OpenCv, Natural language Processing can vary greatly depending on the scope of the project and the specific requirements.
- Some estimates suggest that the cost could range from tens of thousands to hundreds of thousands of dollars.
- This cost would include expenses such as data collection and preprocessing, model development and training, app development and integration, testing, and maintenance.
- Additionally, the cost of any additional hardware or software required, such as cloud computing resources, would also need to be taken into account.
- It's important to note that this is just a rough estimate and the actual cost would depend on the specific requirements of the project.

THANK YOU