
Friend Affinity Finder

Team Members:

Our team consists of 4 members (all from IIIT Hyderabad):

Prajwal Krishna Maitin



Pratyush Kumar



Yash Chaurasia



Aradhya Tongia



Role of Team Members:

Prajwal Krishna Maitin: Data Collection and preprocessing

Pratyush Kumar: Basic ML

Yash Chaurasia: Data Collection

Aradhya Tongia: Website

Technologies/Platform/APIs used:

IBM Watson Personality Insights

IBM Cloud

Github

Python3

Tweepy

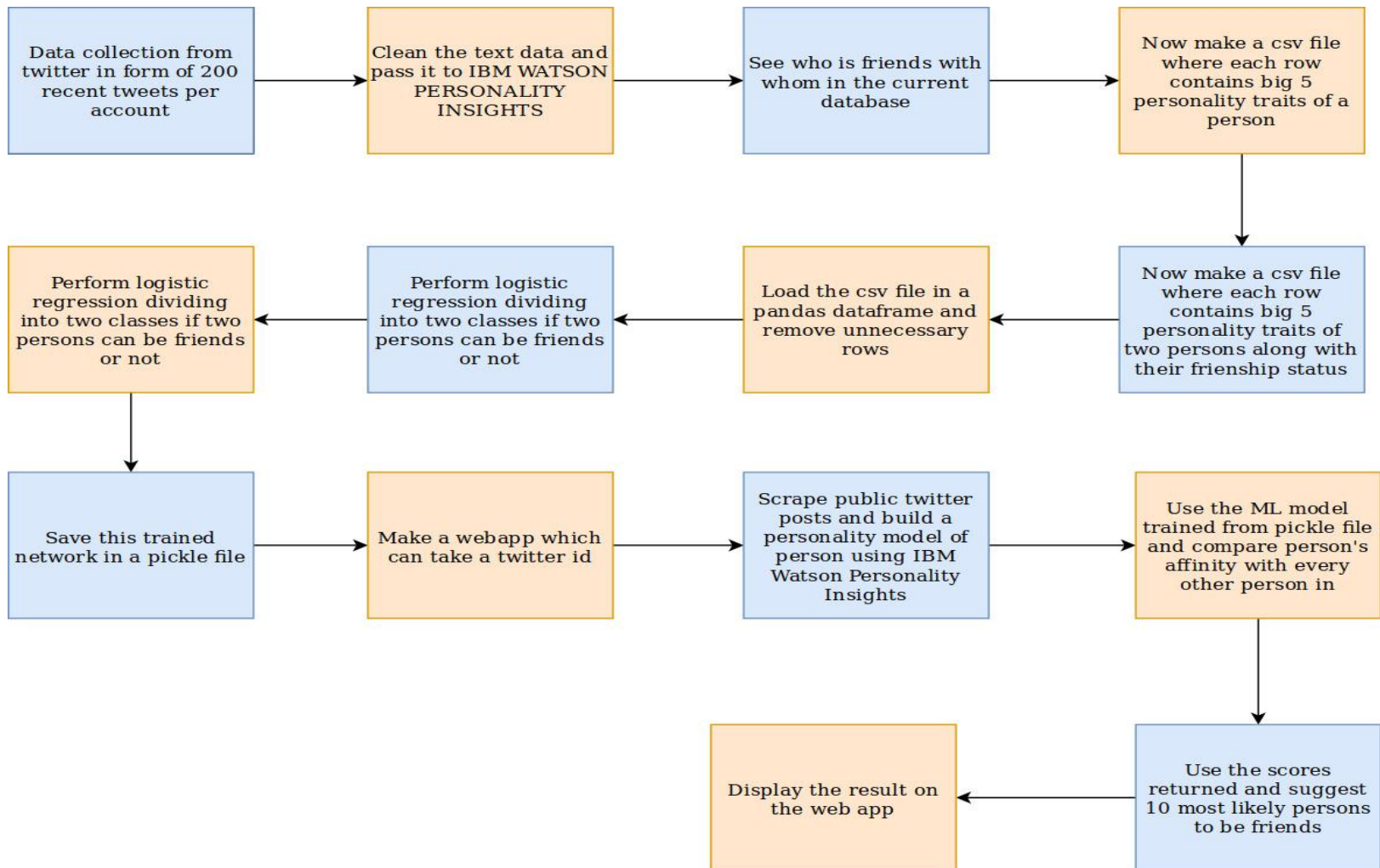
Flask

Keras

Numpy

Pandas

SKLearn



Frameworks/Tools:

- Python3 - Used Python3 for web development.
- Flask - Used as a framework for the development of backend of our website.
- Bootstrap - Most of the CSS features are taken from Bootstrap framework used for the developement of front-end.

The Prediction System:

We generated twitter account data of multiple users by scraping using twitter apis.

Then we performed sentiment analysis on them using IBM Watson Personality Insight and stored the features of each account.

Next we made NC2 pairs of the accounts and checked if they follow each other and accordingly assigned a boolean value to the pair and stored this (pair, boolean value) in a csv file.

Then we trained a logistic regression model on this training set and stored this in