**TrueFoundry Assignment Report**

While solving the assignment, I tried and tested various models:-  
  
Logistic Regression  
  
Naïve Bayes  
  
Random Forest  
  
Decision Trees  
  
KNN  
  
  
After calculating accuracy and metrics of all the models with different parameters, I came to the conclusion that KNN will be the best model for our project.

After using GridSearchCV for fine tuning our model, we found the best nd optimal parameters for our KNN model:-  
  
n\_neighbors = 13,

metric = 'minkowski'