**Set 2 – Models**

**# 1. Logistic Regression Model**

precision recall f1-score support

0 0.38 0.02 0.05 9294

1 0.93 1.00 0.96 124103

micro avg 0.93 0.93 0.93 133397

macro avg 0.65 0.51 0.50 133397

weighted avg 0.89 0.93 0.90 133397

**# 2. Decision Tree Model**

precision recall f1-score support

0 0.67 0.53 0.59 9294

1 0.97 0.98 0.97 124103

micro avg 0.95 0.95 0.95 133397

macro avg 0.82 0.76 0.78 133397

weighted avg 0.94 0.95 0.95 133397

**# 3. Random Forest Model**

precision recall f1-score support

0 0.76 0.46 0.57 9294

1 0.96 0.99 0.97 124103

micro avg 0.95 0.95 0.95 133397

macro avg 0.86 0.72 0.77 133397

weighted avg 0.95 0.95 0.95 133397

**# 4. K Nearest Neighbor Model - KNN**

1 0.93 1.00 0.96 124103

micro avg 0.93 0.93 0.93 133397

macro avg 0.47 0.50 0.48 133397

weighted avg 0.87 0.93 0.90 133397

**# 5. Deep Learning Model**

precision recall f1-score support

0.0 0.60 0.03 0.07 11911

1.0 0.93 1.00 0.96 154835

micro avg 0.93 0.93 0.93 166746

macro avg 0.76 0.52 0.51 166746

weighted avg 0.91 0.93 0.90 166746