MODEL METRICS

Gradient Boost Model

Parameters and Hyperparameters of the Gradient Boost Model

GradientBoostingClassifier(learning\_rate=0.04, max\_depth=9, max\_leaf\_nodes=90,

n\_estimators=140, random\_state=5, subsample=0.8)

Performance Metrics

Accuracy: 0.7518919301223566

Recall: 0.7945900253592562

F1: 0.7627806329456316

Top Five features:

Features Importance scores

0 HighBP 0.352958

3 BMI 0.135629

16 GenHlth\_2.0 0.075922

15 GenHlth\_1.0 0.060004

1 HighChol 0.053260