Cl\_kmeans:

Accuracy: 0.7641684158538091

Prediction time: 0.0030891895294189453 seconds

Precision: 0.827081163016539

Recall: 0.7641684158538091

F1 score: 0.7522552385604495

Tuned Cl\_kmeans:

Best parameters:

{'n': 717}

Accuracy: 0.7658352883071984

Prediction time: 0.005919933319091797 seconds

Precision: 0.7688740199295386

Recall: 0.7658352883071984

F1 score: 0.7651717992504815

Cl\_kmeans with biased classifier:

Accuracy: 0.7641684158538091

Prediction time: 0.011076927185058594 seconds

Precision: 0.827081163016539

Recall: 0.7641684158538091

F1 score: 0.7522552385604495

Tuned Cl\_kmeans with biased classifier:

Best parameters:

{'n': 413, 'threshold': 0.7724651240801664}

Accuracy: 0.8128781331028522

Prediction time: 0.014893054962158203 seconds

Precision: 0.8161748031177753

Recall: 0.8128781331028522

F1 score: 0.8123890909240287