Montreal:

Autoencoder:

217/217 [==============================] - 4s 14ms/step

217/217 [==============================] - 3s 14ms/step

Accuracy: 0.7196356275303644

Prediction time: 3.7121596336364746 seconds

Precision: 0.7225096085294682

Recall: 0.7196356275303644

F1 score: 0.7187273834314594

Tuned:

Accuracy: 0.7335164835164835

Prediction time: 3.540602207183838 seconds

Precision: 0.738084762842906

Recall: 0.7335164835164835

F1 score: 0.7322320261612972

Padua:

Autoencoder:

Accuracy: 0.8015559397382069

Prediction time: 4.099427938461304 seconds

Precision: 0.8023615473813996

Recall: 0.8015559397382069

F1 score: 0.8014236687768562

Tuned:

Accuracy: 0.8021733761422574

Prediction time: 4.057830095291138 seconds

Precision: 0.8021745557627612

Recall: 0.8021733761422574

F1 score: 0.8021731830745709

Princeton:

Autoencoder:

477/477 [==============================] - 7s 14ms/step

477/477 [==============================] - 7s 14ms/step

Accuracy: 0.49973780807551127

Prediction time: 7.383676052093506 seconds

Precision: 0.24993443482821925

Recall: 0.49973780807551127

F1 score: 0.33321678321678316

Tuned:

Accuracy: 0.5385422128998427

Prediction time: 7.409924745559692 seconds

Precision: 0.5565191115340589

Recall: 0.5385422128998427

F1 score: 0.4986786958367469