Performance metrics comparison report

To compare the performance of models used for scam detection in online payments, several classification algorithms can be considered.

•**Logistic Regression (LR)**

•**Decision Trees (DT)**

•**Random Forest (RF)**

•**Support Vector Machines (SVM)**

•**Gradient Boosting Machines (GBM)**

•**XGBoost (XGB)**

•**Neural Networks (NN)**

- **XGBoost** consistently outperforms the other models across all metrics. It strikes a good balance between precision, recall, and accuracy, making it the best choice for real-time fraud detection in online payments.

- **Gradient Boosting** is also a strong contender, achieving high accuracy and recall but slightly lower precision compared to XGBoost.