Project Development Phase

Model Performance test

Date:	24-06-2024
ID:	Swagath nalla
Project	Online Payments Fraud Detection
Maximum Marks:	10

S.No.	Parameter	Values	Screenshot
1.	**Metrics**	**Classification Model: BalancedRandomForestClassifier**	

Metric	Value
Validation Accuracy	0.999568
Balanced Accuracy	0.848731
Precision	0.955796
Recall	0.697505
F1 Score	0.806474
ROC AUC	0.99884

2.	**Tune the Model**	**Hyperparameter Tuning**: Using RandomisedSearchCV, GridSearchCV **Validation Method**: Stratified Cross Validation	| 1 | BRFC | {'max_depth': None, 'min_samples_leaf': 1, 'min_samples_split': 5, 'n_estimators': 500} `skf = StratifiedKFold(n_splits=3, shuffle=True, random_state=42)`