# Project Development Phase

## Model Performance test

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

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| **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 |  |