Project Development Phase Model Performance Test

Date	18 November 2022
Team ID	PNT2022TMID29453
Project Name	Project – Web Phishing Detection
Maximum Marks	10 Marks

Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Values	Screenshot
1.	Metrics	Regression Model: MAE – 0.145 MSE – 0.1646 RMSE – 0.3818 R2 score – 0.704	import sklearn.metrics as metrics
		Classification Model: Confusion Matrix — array([[961,53],	#MSE metrics.mean_absolute_error(y_test,lr_test_pred) 0.16463138851198553 #MSA metrics.mean_absolute_error(y_train,lr_train_pred) 0.1454093170511081 # RMSE np.sqrt(metrics.mean_absolute_error(y_test,lr_test_pred)) 0.40574793716294544
		Accuracy Score - 96.69% Classification Report - precision recall f1-score support	np.sqrt(metrics.mean_absolute_error(y_train,lr_train_pred)) 0.3813257361510079 #R2 score metrics.r2_score(y_test,lr_test_pred) 0.6684660368870895 metrics.r2_score(y_train,lr_train_pred) 0.7048119248529949
		-1 0.93 1 0.89 0.91 1 014 1 0.91 0.91 1 0.94 0.93 1	pd.crosstab(y_test, lr_test_pred) col_0
		accuracy 0.92 2 211 0.92 0.92 0.92 2 211	print(classification_report(y_test, lr_test_pred))

		weighted avg 0.92 0.92 0.92 2 211 Training accuracy: 0.92 Testing accuracy:0.91	<pre>print('Training accuracy: ',accuracy_score(y_train,lr_train_pred)) print('Testing accuracy: ',accuracy_score(y_test,lr_test_pred)) Training accuracy: 0.9272953414744459 Testing accuracy: 0.9176843057440073</pre>
2.	Tune the Model	Hyperparameter Tuning - GridSearchCV Validation Method	