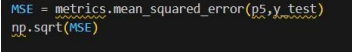
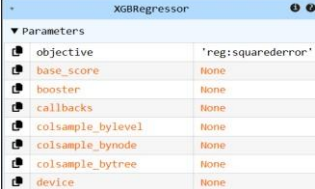


Project Development Phase Model Performance Test

Date	27 th June, 2025
Team ID	LTVIP2025TMID59792
Project Name	TrafficTelligence: Advanced Traffic Volume Estimation with Machine Learning
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 - , MSE - , RMSE - , R2 score -	 <pre>MSE = metrics.mean_squared_error(p5,y_test) np.sqrt(MSE)</pre> 798.2812004550777
2.	Tune the Model	Hyperparameter Tuning – Used XGBoost	 <p>XGBRegressor</p> <ul style="list-style-type: none"> objective: 'reg:squarederror' base_score: None booster: None callbacks: None colsample_bylevel: None colsample_bynode: None colsample_bytree: None device: None