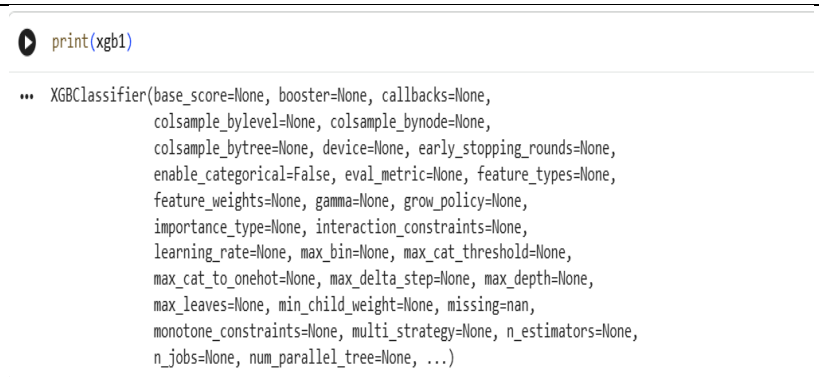
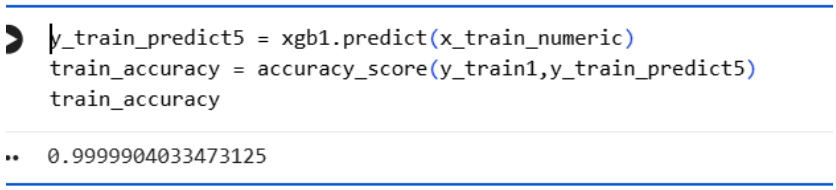
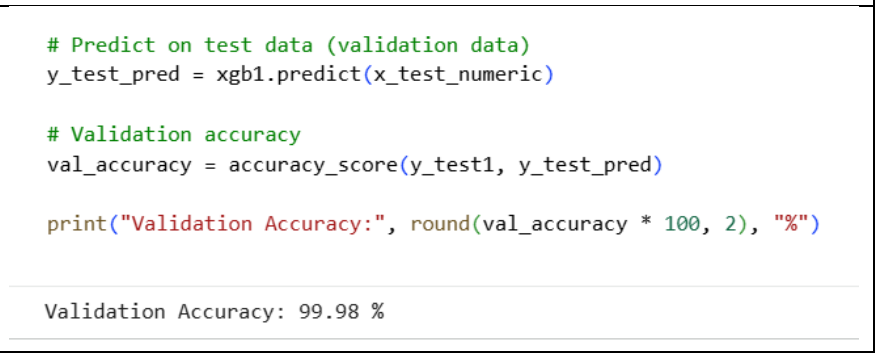
Project Development Phase

Model Performance Test

Date	18 February 2026
Team ID	LTVIP2026TMIDS65699
Project Name	Online Payments Fraud Detection using Machine Learning
Maximum Marks	

Model Performance Testing:

The following table summarizes the performance evaluation of the trained XGBoost fraud detection model.

S.No.	Parameter	Values	Screenshot
1	Model Summary	XGBoost Classifier trained on Kaggle dataset using transaction behavior features.	
2	Accuracy	Training Accuracy: 99.99% Validation Accuracy: 99.98%	
3	Fine Tuning Result	Validation Accuracy after tuning: 99.98%