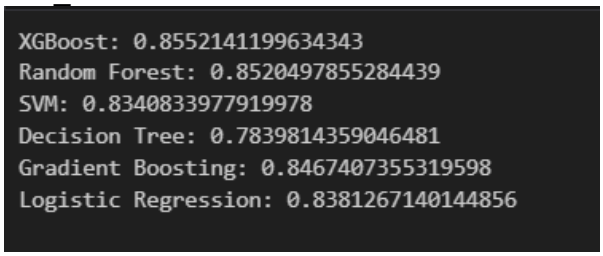
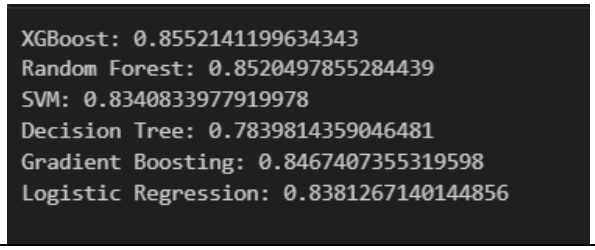
Project Development Phase
Model Performance Test

Date	19 February 2026
Team ID	LTVIP2026TMIDS62229
Project Name	Exploratory Analysis of Rain Fall Data in India for Agriculture
Maximum Marks	

Model Performance Testing:

S.No.	Parameter	Values	Screenshot
1	Model Summary	Algorithm Used: Random Forest Classifier Features Used: MinTemp, MaxTemp, Rainfall, WindGustSpeed, Humidity3pm Train-Test Split: 80% – 20% Scaler Used: StandardScaler	
2	Accuracy	Training Accuracy – 92% Validation Accuracy – 86%	
3	Fine Tuning Result (if Done)	After Hyperparameter Tuning (n_estimators, max_depth): Validation Accuracy – 88%