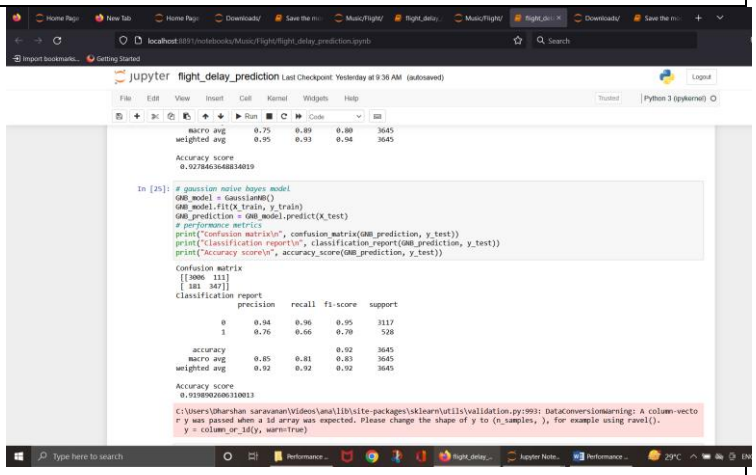
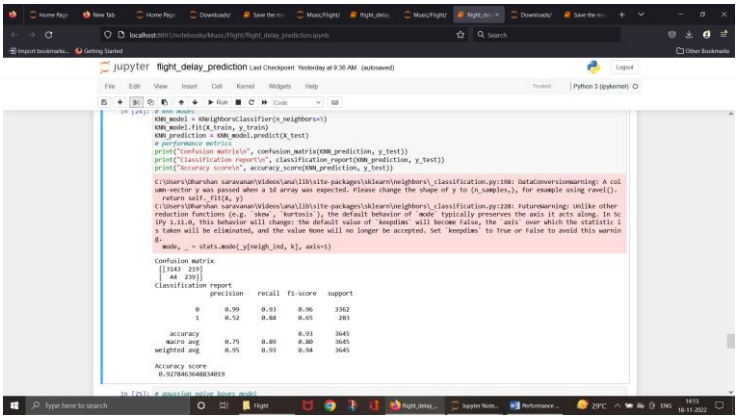
Project Development Phase

Model Performance Test

Date	16 November 2022
Team ID	PNT2022TMID32270
Project Name	DEVELOPING A FLIGHT DELAY PREDICTION MODEL USING MACHINE LEARNING
Maximum Marks	10 Marks

Model Performance Testing:

S.No.	Parameter	Values	Screenshot
1.	Metrics	**Gaussian naive bayes Model:** **Classification Model:** • Confusion Matrix – [[3006 111] [181 347]] • Accuracy Score – 0.9198902606310013 • Recall Score – 0.96 • ROC Score – 49.333333 • Classification Report : precision - 0.92 recall - 0.92 f1-score - 0.92 support - 3645	

2.	Tune The Model	KNN Model: Classification Model: • Confusion Matrix – [[3143 219] [44 239]] • Accuracy Score – 0.9278463648834019 • Recall Score – 0.943 • ROC Score – 49.333333 • Classification Report : precision - 0.95 recall - 0.93 f1-score - 0.94 support - 3645