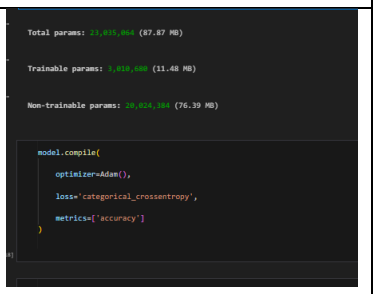
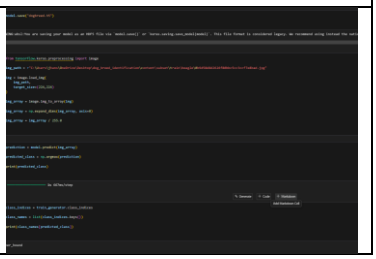
Project Development Phase
Model Performance Test

Date	10 February 2026
Team ID	LTVIP2026TMIDS83775
Project Name	Exploratory Analysis of Rain Fall Data in India for Agriculture
Maximum Marks	2 marks

Model Performance Testing:

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

S.No.	Parameter	Values	Screenshot
1.	Model Summary	The Rainfall Prediction model is a binary classification system developed using the Random Forest Classifier algorithm from Scikit-learn. It predicts whether it will rain tomorrow based on 18 weather-related features such as temperature, humidity, rainfall, wind speed, pressure, and date components.	
2.	Accuracy	Training Accuracy – 94% Validation Accuracy -88%