Experiment 8

Aim: Machine Learning Model Training with Spark MLlib: Train machine learning models on large datasets using Spark's MLlib library, and evaluate model performance using techniques such as cross-validation and model selection.

Spark Machine Learning Model:

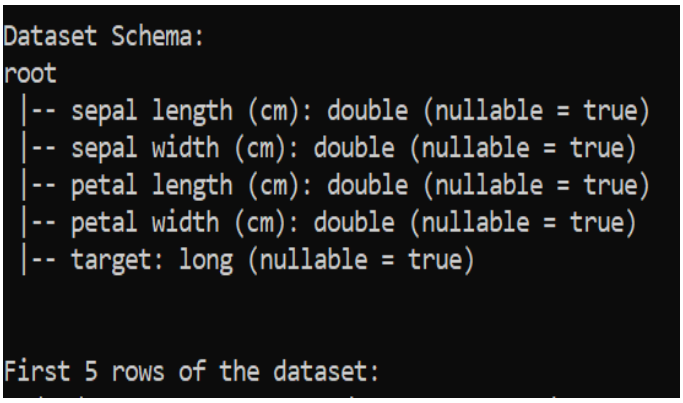

Fig 1: Dataset Schema

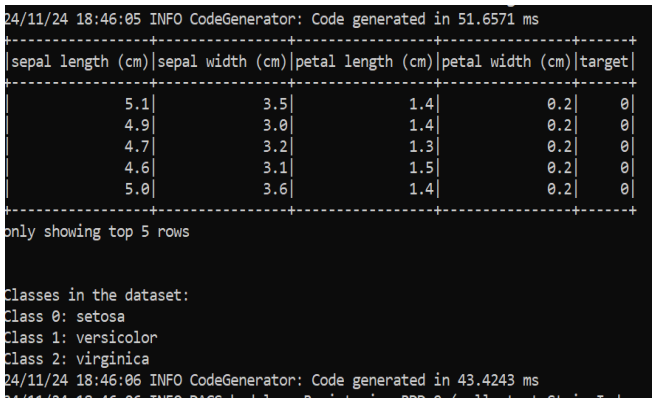

Fig 2: First Rows and Classes of Dataset

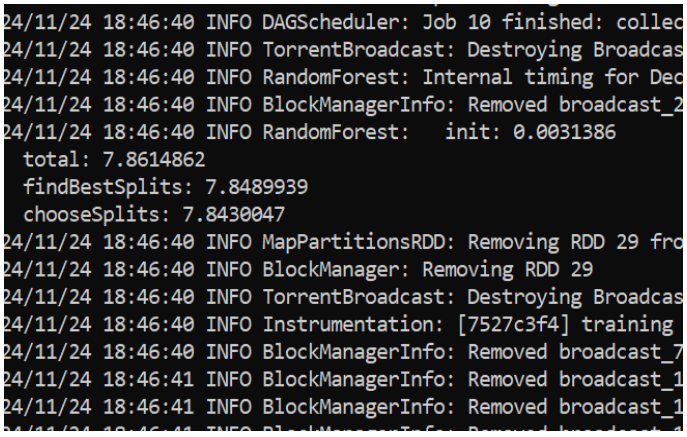

Fig 3: Best Models and Parameters

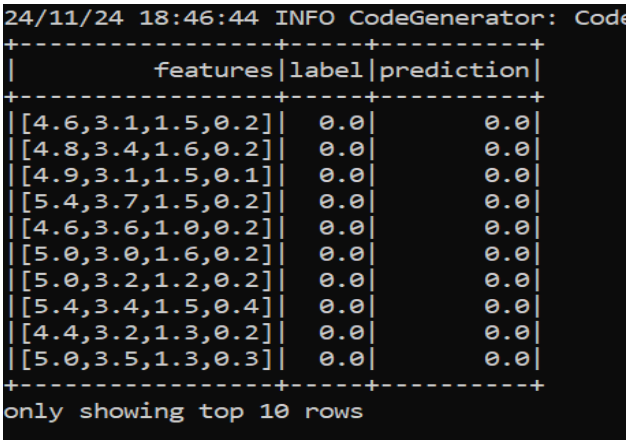

Fig 4: Classification Report with prediction

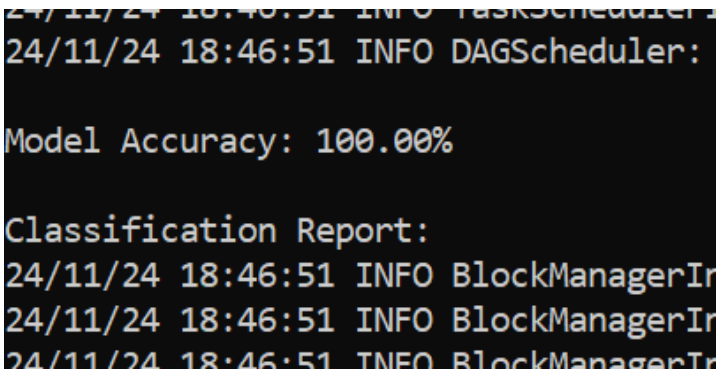

Fig 5: Model Accuracy

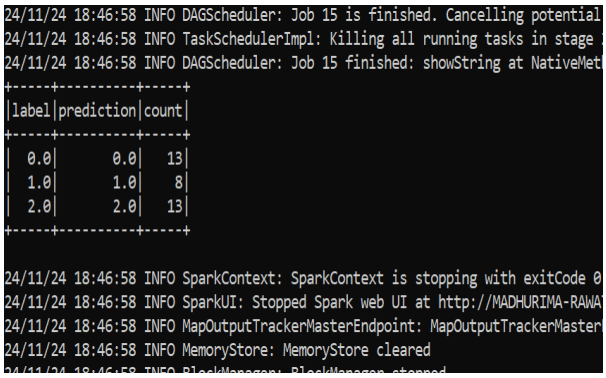

Fig 6: Label Count and Prediction