**IRIS FLOWER CLASSIFICATION – REPORT**

**Project Title : Iris Flower Classification.**  
**Internship : Code Alpha Data Science Internship.**  
**Submitted by : RAAVI PRUDHVI KRISHNA.**  
**Tools Used : Python, Pandas, Seaborn, scikit-learn, Google Collab.**  
**Algorithm : Logistic Regression.**

**Objective:**  
 To classify iris flowers into Setosa, Versicolor, or Virginica using petal and sepal measurements.

**Steps Followed:**

* Loaded dataset from online CSV.
* Visualized feature relationships using pair plot.
* Preprocessed data and split into train-test sets.
* Trained a logistic regression classifier.
* Evaluated accuracy and precision using classification report.
* Performed a custom prediction for a flower sample.

**Result:**  
1) Achieved 100% accuracy.  
2) Sample prediction: Setosa for [5.1, 3.5, 1.4, 0.2].