**CLASSIFICATION ASSIGNMENT**

**Problem Statement:**

To predict the Chronic Kidney Disease based on the given several parameters in the dataset using ML algorithms. The problem statement comes under Machine Learning-Supervised Learning-Classification.

**Total no of rows and columns:** 399 Rows x 27 Columns

**Preprocessing:**

Converted 4 columns from string to number.

|  |  |  |
| --- | --- | --- |
| S.NO | ML ALGORITHMS | ROC\_AUC\_SCORE |
| 1 | SVM | 1.0 |
| 2 | Random Forest Classifier | 0.99 |
| 3 | Naïve Bayes | 0.5 |
| 4 | Logistic Regression | 1.0 |
| 5 | K- Nearest Neighbor | 0.99 |
| 6 | Decision Tree Classifier | 0.95 |

**Evaluation Metrics:**

**“SVM” and “Logistic Regression” getting the best roc\_auc\_score value of 1.0**

