**FINAL PROJECT FOR DATA SCIENCE**

PERFORMANCE:

BEST PARAMETERS OF THE MODEL: {'l1\_ratio': 0.15, 'penalty': 'l2', 'tol': 0.001}

PROCEDURE:

* Imported the necessary libraries.
* Brought the excel file into a dataframe.
* Dropped the Nan values.
* Binary encoding of Loan\_Status and sending it to another variable.
* Reshaping.
* Encoding all the required columns and updated.
* Removing redundant columns after updated.
* Got an error while applying the model here because of a value “3+” in the dependents column of features dataframe.
* So I found out it and replace it with “4”.
* Applying the logistic regression model.
* And predict for test data set excel sheet and making predictions.
* GCV applied to find out the best penalty parameters to avoid overfitting and perform well at the same time.
* Predicting after applying all the parameters.