

Devanshu Surana

PC-23, 1032210755

Panel C, Batch C1

## ML Lab Assignment 7

### FAQ's

- 1) What is multiple linear regression?  
→ Multiple linear regression is a statistical technique used to understand the relationship between multiple independent variables and a dependent variable. It aims to predict the value of the dependent variable based on the values of the independent variables.
- 2) What is logistic regression?  
→ Logistic regression is a statistical model used for binary classification tasks. It predicts the probability of an event occurring by fitting data to a logistic curve. It's commonly used in machine learning for tasks like spam detection or medical diagnosis.
- 3) What is Lasso Regression?  
→ It is a regression analysis method that introduces a penalty term to the linear regression model. It helps in feature selection and regularization by shrinking the coefficient of less important features towards zero, effectively reducing overfitting.