

# ***LIBLEARN***

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**Description :** This library contains machine learning models like linear regression, polynomial regression, logistic regression, decision trees, K- nearest neighbours classification, N-layer neural network, K-means Clustering.

## **Features:**

- Importable models: models are created such a way that they can be imported and use wherever we want.
- Either it is supervised learning or unsupervised learning model this library contains the required model.

## **Technology Stack:**

1. python
2. basic libraries like numpy, pandas and matplotlib
3. google colaboratory

**Brief Implementation details :** I think I want to work on the project from day 1 and simultaneously while learning from the internet about the topic. I will first start with easy ones like linear regression and then polynomial regression. Then I will jump into logistic regression and complete it . After it I will go to N-layered neural networks. After completing it, I will implement decision trees , k-Neighbors classification and unsupervised learning topics like K-means clustering.

## **Week Wise timeline:**

- week1 : linearandpolynomialregression.* (1)
- week2 : logisticregressionandhalf of N – layeredNeuralNetwork.* (2)
- week3 : Otherhalf of N – layeredNeuralNetworkanddecisiontrees.* (3)
- week4 : K – NeighboursclassificationandK – meansclustering.* (4)
- (5)

## **About Me:**

- My name is Ashish Varun Reddy
- I am studying in first year of Bachelor of Technology in Computer Science and Technology.
- I want to be selected for this project for improving and showcasing my skills in the field of Artificial intelligence.