- O Decision Tree Implementation Steps: -
- 1) Data Pre-processing -

data = pd. read\_csv('\_')

- · Null value treatment
- · Remove Duplicates
- · Handle categorical data

X = data. drop ('target', axis=1)

4 = data ['tarsget']

train\_test\_split (x, y).

- skleagn. tree -> Decision Tree classifier
- 2 Training the Model -

classifier = Decision TreeClassifier (criterion = 'entropy')
model = classifier. fit (x-train, y-train)

- 3 Predict Result y-pred = classifier. predict (x-test)
- (4) Model Evaluation -

classification-report (y-test, y-pred)
accuracy-score (y-test, y-pred)
confusion-matrix (y-test, y-pred)

5) Plot the Toee -

from sklearn import tree

pit. figure (figsize = (15,10))

tree. plot. tree (model, filled= True)