Thirdyear : Minor Proj.

Student Placement Analyzer : Using ML

1. Problem Statement & Goal :

- Many institution are facing a problem on placements of student and that is effecting the industry also.
- But if the institution known in advance that which students are incompitable to get placed then this will be a huge achievement and then these student can also get more attention and personal training based on their lacking areas.
- Thus this model using Machine learning algorithm and based on the previous placement data it will built a placement analyzer which will help to achieve the above goal.

Methods:

DECISION TREE LEARNING:

- This module is mainly based on decision tree algorithm. This is a predictive model that is use in ML or in data mining, here in the tree the variable that needs to be predicted takes a finite set of categorical values, the leaves represent the class labels and branches represent the splitting through which decision travels from root to the leaf of the tree.
- There are other algorithms which can be used such as
  * K-nearest Neighbour Algorithm
  * Naive Bayes Algorithm
- But out of these the decision tree's efficiency is the highest.
  Hence we choose, Decision tree to implement in our model.

SCI-Kit Learn

- This is open source module which helps to implement Machine learning.
- It supports all the predicting algorithms with lots of regression algorithms.

Implementation :

DATA SET (RAW)

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Cleaning the DATA SET

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DATA PREPARATION / SELECTION / TRANSFORMATN

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Implementing ML Algorithms

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Predicting the Result

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providing the Output

Future Scope :

- Improving the effiveny of ML model.
- Make this analyzer to predict whether a student can get into a specific company like his Dream Company.