UNIVERSITY ADMIT ELIGIBILITY PREDICTOR

LITERATURE SURVEY

ABSTRACT

It would be difficult for the students to find out what university they may join, based on their marks. So, People may apply to many universities that look for candidates with a higher score set, instead of applying to universities at which they have a chance of getting into. This would be detrimental to their future. It is very important that a candidate should apply to university that he/she has a good chance of getting into, instead of applying to universities that they may never get into. There aren't many efficient ways to find out the universities that one can get into, relatively quickly.

In this project, this problem has been addressed by modelling a recommender system based on various machine learning classification algorithms. Based on the dataset, various models were trained and one best and some other related universities are suggested for the students such that it maximizes the chances of a student getting an admission on that university.

In this project, the user will be provided with a web-based application in which the user is asked to enter their details that are required to predict the eligible universities such as marks, percentage, cut-off, etc. After entering the details, this project predicts the suitable university and displays the results in the web-based application to the user.

EXISTING SOLUTION

- Today all the work at the time of admission of the students is done manually by ink and paper, which is very slow and consuming much efforts and time.
- When students come from rural places, they find it hard to go along with the formal procedures.
- In this case, the students don't have much of an idea about the procedures, requirements and details of the universities, they seek help from the education consultancy firms to help them successfully secure the admission in the universities which are best suitable for their profiles.

DISADVANTAGE OF EXISTING SOLUTION

- Require much man power i.e., much efforts, much cost and hard to operate and maintain.
- Since, all the work is done in papers so it is very hard to locate a particular student record when it is required.

PROPOSED SOLUTION

These problems can be resolved by using regression algorithms /classification algorithms as they can consider most of the features for prediction. Linear regression / KNN classification / Random Forest Regressor can be used as the machine learning model for the model. XG boost model can also be used which performs better on small to medium scale datasets but the model giving accurate and desired results only will be selected. The aim of the proposed system is to address the limitations of the current system. The requirements for the system have been gathered from the defects recorded in the past and also based on the feedback from users of previous metrics tools.

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