

UNIVERSITY ADMIT ELIGIBILITY

PREDICTOR

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Problem Statement

- We have seen a lot of students pursue their education away from their native countries.
- Generally as 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.
- For this, they have to invest huge amount of money as consultancy fees.
- The aim of this research is to develop a system using machine learning algorithm.

Abstract

- Students are often worried about their chances of admission to University.
- The aim of this project is to help students in shortlisting universities with their profiles.
- The predicted output gives them a fair idea about their admission chances in a particular university.
- This analysis should also help students who are currently preparing or will be preparing to get a better idea.
- The dataset used for this project was obtained from Kaggle.

Literature Survey

- In the present conditions, students regularly have difficulty finding a fitting institution to pursue higher studies based on their profile.
- There are some advisory administrations and online apps that recommend universities but they ask huge consultancy fees and online apps are not accurate.
- So, the aim of this research is to develop a model that predict the percentage of chances into the university accurately.
- This model provides also the analysis of scores versus chance of prediction based on historical data so that students can understand whether their profile is suitable or not.

Literature Survey

- The proposed model uses linear regression and random forest algorithms but cat boost algorithm is giving highest accuracy.
- <https://ieeexplore.ieee.org/document/9418279/figures#figures>
- For an aspiring graduate student, shortlisting the universities to apply to is a difficult problem.
- Since an application is extremely dynamic, students often tend to wonder if their profile matches the requirement of a certain university.
- Moreover, the cost of applying to a university is extremely high making it critical that students shortlist universities based on their profile.

Literature Survey

- A university admission prediction system is quite useful for students to determine their chances of acceptance to a specific university.
- <https://ieeexplore.ieee.org/document/9213205>
- Earlier models of such prediction systems suffer from several drawbacks such as not considering important parameters like GRE (Graduate Record Exam) scores or research experience.
- Further, the accuracy reported by earlier models is also not sufficiently high.
- In this paper, a stacked ensemble model that predicts the chances of admit of a student to a particular university has been proposed.

Literature Survey

- The proposed model takes into consideration various factors related to the student including their research experience, industry experience etc.
- <https://ieeexplore.ieee.org/document/9410717>
- Students applying for admissions to universities find it difficult to understand whether they have good chances of getting admission in a university or not.
- Keeping this in focus, we have used logistic regression techniques that have gained attention in software engineering field for its ability to be used for predictions.

Literature Survey

- This is a novel work on a university admissions predictor using which students can evaluate their competitiveness for getting admission at a university.
- This is developed by collecting real student data. The data is stored in a form of a usable training data for the logistic regression classifier developed to make admissions predictions.
- We have collected the data from the Internet using a Selenium web scraper.
- The paper intensely discusses the methods, implementation and challenges faced in the process.

Added Feature

- In this project, we give mark and rating as input and it shows whether we would get the college or not.
- Now, the feature we are adding is that it recommends all the college that suits the mark and the rating.

References

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