LITERATURE SURVEY

UNIVERSITY ADMIT ELIGIBILITY PREDICTOR

What is an university admit eligibility predictor?

An university eligibility predictor is a tool that is designed for students who are finished with their schooling/UG and aspire to get admitted into prominent universities in India/abroad. It provides them with their chances of admission in different universities based on certain criteria pertaining to their admission process. It could prove to be really helpful as it can provide some clarity to students on universities to which they can apply for admission.

Problem statement

How to design an eligibility predictor for students which provides them with their chances of getting admitted into different universities based on their scores and other important critetria.

USE CASE:

University education is becoming a critical pillar of social and economic life in the twenty-first century. It is crucial not only in the educational process but also in assuring two vital things: a great job and financial stability. On the other hand, might be extremely challenging because pupils are unaware of the admission standards. They waste lot of time and money.

Social Impact:

It will help students making decision for choosing a right college.

Business impact:

Getting potential students automatically business will increase.

EXISTING SOLUTION I : CollegeAI

This chance me admissions probability calculator computes the chance of admission to Universities in US based on historical admissions data.

This predictor has been designed to predict chances of admissions for a student in 10 prominent universities in the United States (University of Arizona, Texas state University, Florida state university etc.)

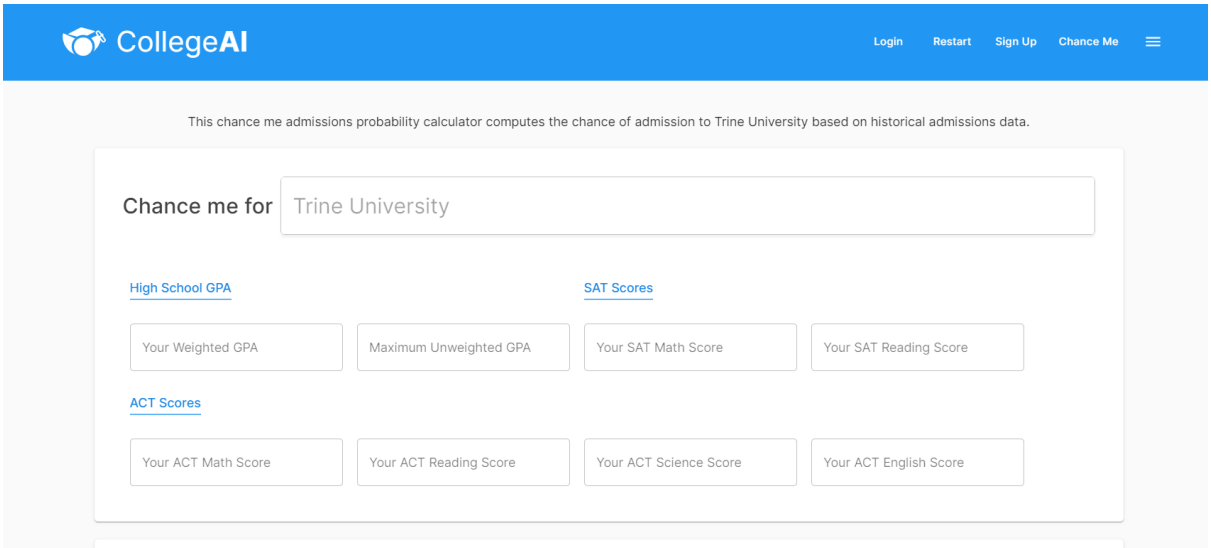
It also has a ‘Find your perfect college’ feature which asks the user to fill out a small survey which questions them on their likes, dislikes, talents, skills and areas of interests and then suggest colleges which it finds suitable for the user based on the survey..,

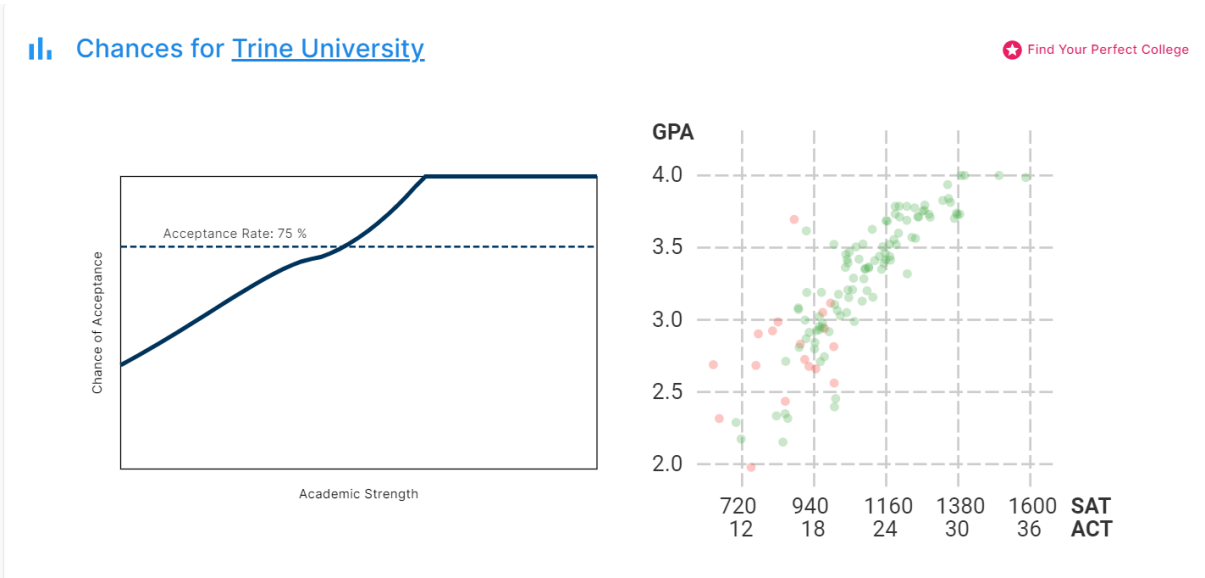
Factors considered:

High school GPA

SAT score

ACT score





Drawbacks:

It covers only a limited number of universities

Graphical representation would be a bit difficult to comprehend.

It doesn't provide the user with their chances of getting a particular course at a specific university.

Takes very few factors into account for judging eligibility.

Learnings:

The questionnaire employed to suggest colleges suitable to the student is a very interesting concept and might prove to be very beneficial to students. The UI is very smooth and easy on the eye from an user's POV.

EXISTING SOLUTION – II : CollegeVine

CollegeVine focuses on taking the guess work out of college admissions and clearing the misconceptions surrounding average acceptance rates and personal admission chances prevalent among students.

It also tries to take certain factors that might be outside of a student's control (diverse racial, economic and personal backgrounds) into account before deciding their chances.

It focuses on prominent universities based in the United States like Vanderbit university, Princeton university, Stanford university etc.

Factors considered

Coursework

GPA

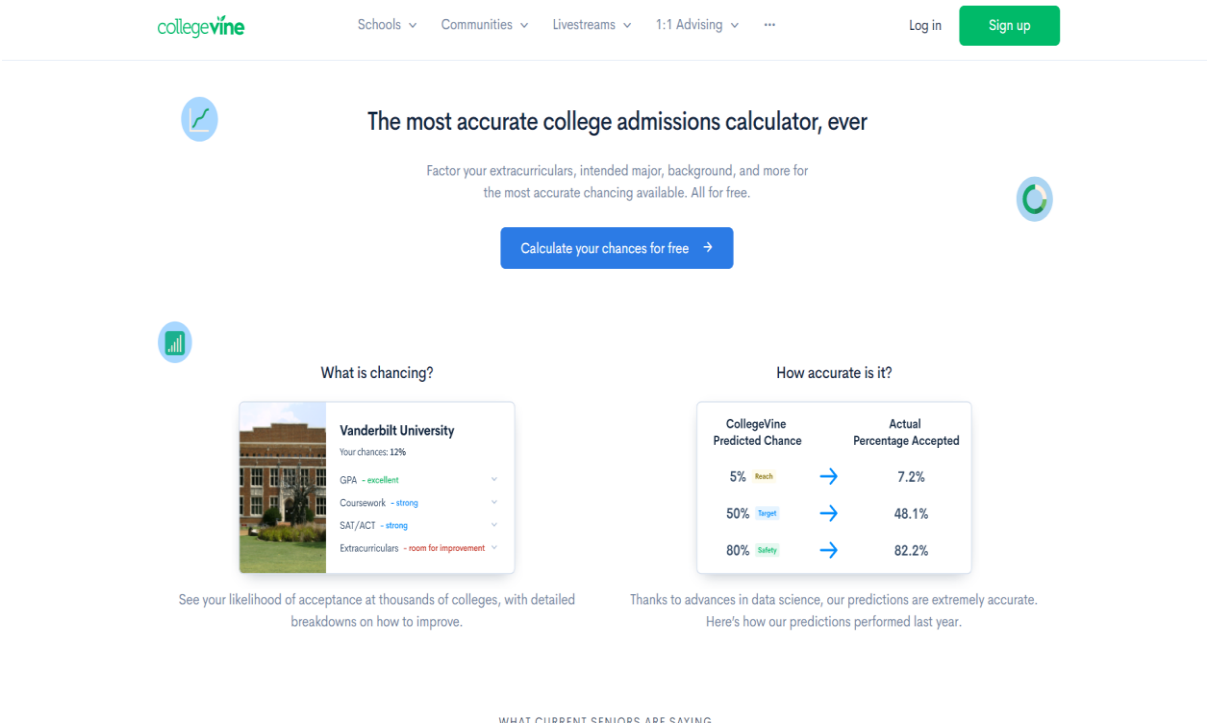
Test scores

Extra Curriculars

Demographics

Intended major

Class rank



Drawbacks:

Not very user friendly in nature

UI is not up to the mark and this might put the user through a lot of hassles

Misuse of data submitted by the user is a possibility

Learnings:

The whole process behind calculating eligibility chances is explained in simple terms for the user's benefit which is a very important aspect from an user's POV.

This predictor takes a lot of factors into account including certain non-academic factors before judging the chances of a student which might be the reason behind their model's astounding accuracy rate.

EXISTING SOLUTION – III : Yocket

Yocket Admit Predictor gives the user the chances of making it into a particular program in a university they like. It is a very handy feature that's specifically designed for aspirants pursuing Masters in either US or Canada.

They have equipped it with Artificial Intelligence and Machine learning to give the user a close enough percentage based on the data information they have gathered along the way.

It is exclusively for students aspiring to get admitted into top universities outside of India.

Admit Predictor works on the combination of historical Yocket user data, Artificial Intelligence based algorithms and Machine Learning.

Factors considered:

GRE scores

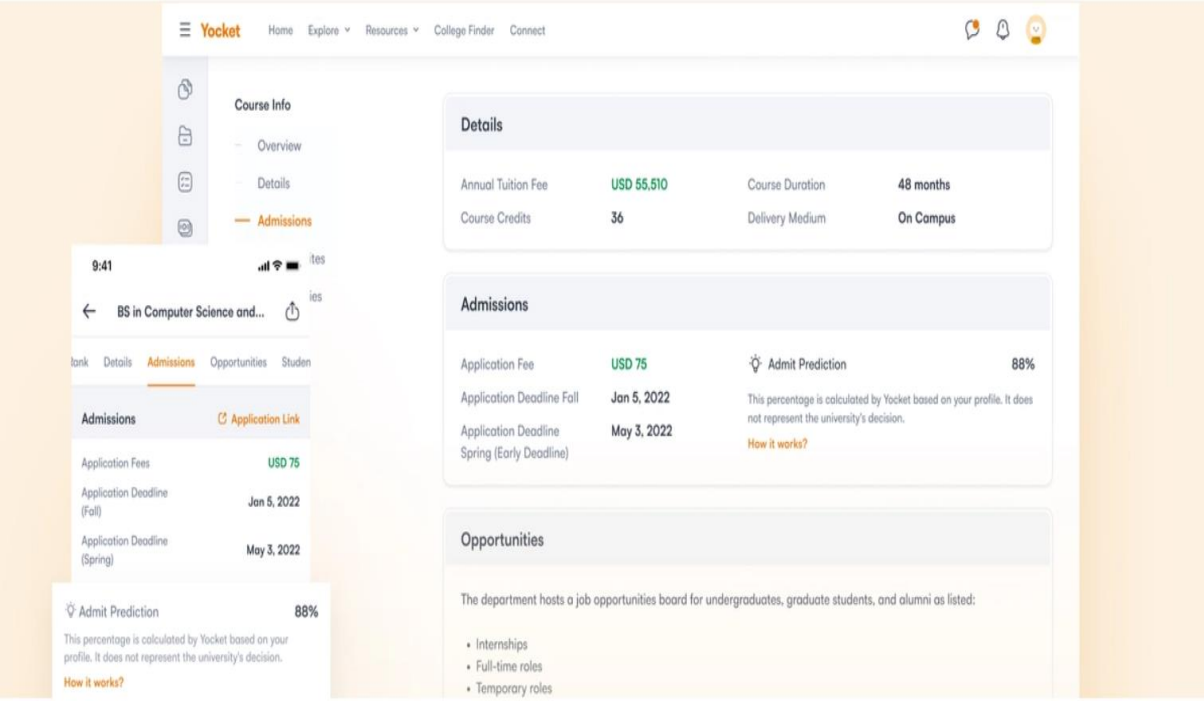
Aptitude scores

UG scores

English test scores

Experience

Technical papers



Drawbacks:

Not free to use

Restricted to Masters programs only

Procedure is time consuming in nature and might test an user's patience

Learnings:

An algorithm has been developed by Yocket team which collects all the relevant data like admits, rejects, test scores, CGPA, course studied and more provided by previous Yocket users over the years. The algorithm has created a pattern of admits and rejects across courses and universities based on the collected information.

When the user adds information to their profile, it compares and calculates the admit chances based on the pattern it has deciphered.

The Machine Learning aspect of the feature takes in their information including admit and reject record to update its database and results in the future

EXISTING SOLUTION – IV : Careers360

It lets it users know their college admission chances based on their rank, home state, caste, etc

It additionally provides them with previous year's round wise course cut-off and details about the counselling and admission process

A personalized report with recommended colleges is designed exclusively for the users

Finally, it lets its users filter colleges based on specialization and compare colleges

Factors considered:

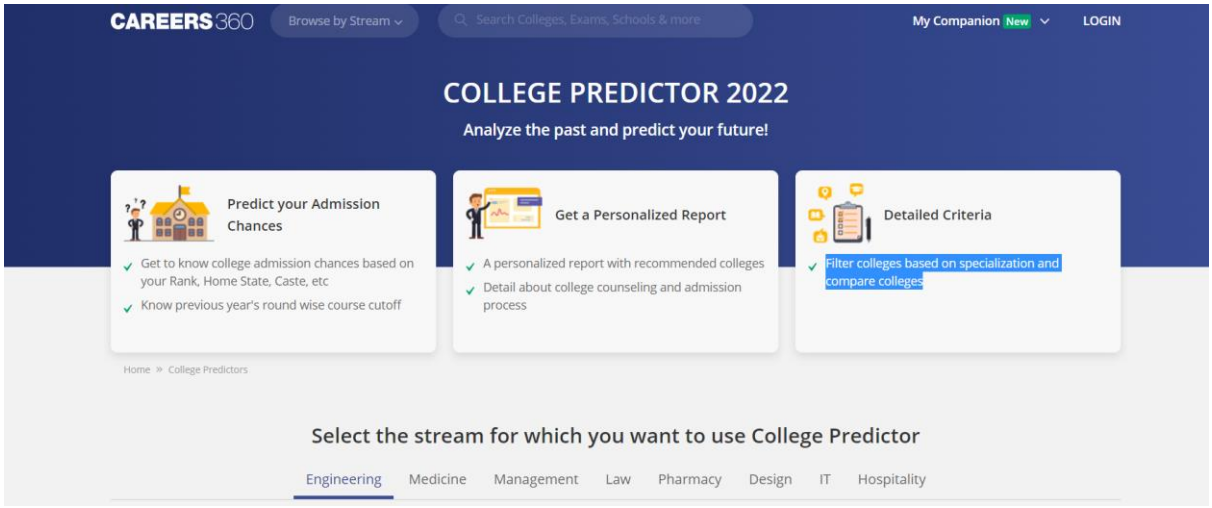
Rank

Home state

12^{th} marks

Entrance exams scores

Choice of course



Drawbacks:

Not many factors are not taken into consideration

This predictor is not reliable as other predictors found online

There is no information about the working procedure of the algorithm used for this model.

Learnings:

This predictor covers a lot of colleges across varied fields (engineering, medicine, law, pharmacy etc..), since its scope is very large , it could prove to be the one-stop destination for all passed out students. Since it has to cover a lot of universities across diverse fields, it has to factor in different entrance exams specific to each of those fields into their algorithm.