Naalaiya Thiran – week 6

University Admit Eligibility Predictor

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Activities

Prepare problem - solution fit document

Solution Architecture

Problem – Solution Fit Template:

The Problem-Solution Fit simply means that you have found a problem with your customer and that the solution you have realized for it actually solves the customer's problem. It helps entrepreneurs, marketers and corporate innovators identify behavioral patterns and recognize what would work and why.

Completion Status: Submitted the Problem-Solution fit Template GitHub

Problem-Solution fit canvas 2.0 Purpose/Vision

1.CUSTOMER SEGMENT(S)

Students,Parents,Working professionals wishing to study abroad

6.CUSTOMER CONSTRAINTS

Customers want to shortlist universities to pursue their Higher studies.There are various factors which comes into play while doing so.Some want to shortlist based on the top ranking universities,while some want affordable universities,while some want to go to universities that offer greatest scholarships,while some want to know universities that they can get admitted into.These are all various factors customer sees while choosing a university which involves a lot of researching that they have to do all by themselves.

5.AVAILABLE SOLUTIONS

This work provides a solution to that problem.Our website incorporates an AI Model that was built after considering many leading Machine Learning Algorithms, to provide the most accurate prediction of how much of a chance of admissions does a student's current grades and other academic transcripts allow them in the tier of universities of their choice but also we provide a single platform that documents all the requirements as well as the different tiers of universities. They can see their desired universities with filters of their choice weather scholarships or tuition fees or university ranks etc.

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2.JOBS-TO-BE-DONE / PROBLEMS

- Web application that allows users to enter their academic data
- Integration of email alerting system
- Add filters to search needed information about colleges
- A search tool that can predict universities
- Display final results to the student
- Categorisation and disclosure of living expenses

9.PROBLEM ROOT CAUSE

Problem is to design a best AI machine which accurately predicts the solutions according to the requirements.The model should be carefully built based on various machine learning algorithms and data science techniques to process the data.

7.BEHAVIOUR

Understand this decision-making process, the study attempts to show accurate behaviours using a existing model based on available resources, prevailing socio-economic conditions and personal aspects of users.

This research work needed so as to answer the queries of students in a compete and concise manner as well as to provide them an as accurate as possible analysis of their chances of admissions to their dream universities

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3.TRIGGERS

Students find it difficult to Find universities to study abroad.Choose universities they can afford. Choose universities which are top in field of interest. Know the chances of getting admitted into universities of their choice. Find guidance to crack universities of their aim.

4.EMOTIONS: BEFORE /AFTER

Without a single platform it takes a lot of time and effort tosearch information about each and every university so users will feel sad,angry , depleted and tensed.After having a one stop solution here they will take around mins to get the answers of their queries.

10. YOUR SOLUTION

A solution ,Our website incorporates an AI Model that was built after considering many leading Machine Learning Algorithms, to provide the most accurate prediction of how much of a chance of admissions does a student's current grades and other academic transcripts allow them in the tier of universities of their choice but also we provide a single platform that documents all the requirements as well as the different tiers of universities.

8. CHANNELS of BEHAVIOURS

8.1 ONLINE

Online portal for making recommendations of universities considering various parameters using Machine Learning.

8.2 OFFLINE

Tie up with consultancies to use our tool to best advice their students who don't have exposure to our website.

Extract online & offline C

Solution Architecture

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

Find the best tech solution to solve existing business problems.

Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.

Define features, development phases, and solution requirements.

Provide specifications according to which the solution is defined, managed, and delivered.

Completion Status: Submitted the Solution Architecture in GitHub

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UI ──────▶ Inputs
              │
              ▼
           Model ──────────────▶ Evaluation
              ▲                      ▲
              │                      │
          Prediction             Algorithm ──────▶ Train Data
                                     ▲                  │
                                     │                  ▼
                                 Test Data ◀──── Data Processing
                                                        │
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                                                       CSV
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