INTRODUCTION

1.1 OVERVIEW

University admission is the process by which students are selected to attend a college or university. The process typically involves several steps, including submitting an application, taking entrance exams, and participating in interviews or other evaluations. Students are often worried about their chances of admission in University. the university admission process for students can be demanding, but by being well-informed, prepared, and organized, students can increase their chances of being admitted to the university of their choice.

The aim of this project is to help students in short listing universities with their profiles. Machine learning algorithms are then used to train a model on this data, which can be used to predict the chances of future applicants being admitted. With this project, students can make more informed decisions about which universities to apply to, and universities can make more efficient use of their resources by focusing on the most promising applicants. 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.

1.2 PURPOSE

ML main benefit appears to be of a time-saving nature. By utilizing ML to perform time-intensive tasks and make problem-solving more efficient, administrative staff can re-focus their efforts on improving student experiences at their schools. ML can help universities predict, for example: The probability that a

prospective student will apply for a particular program. The probability that the prospective student will pass the preliminary admission screening.

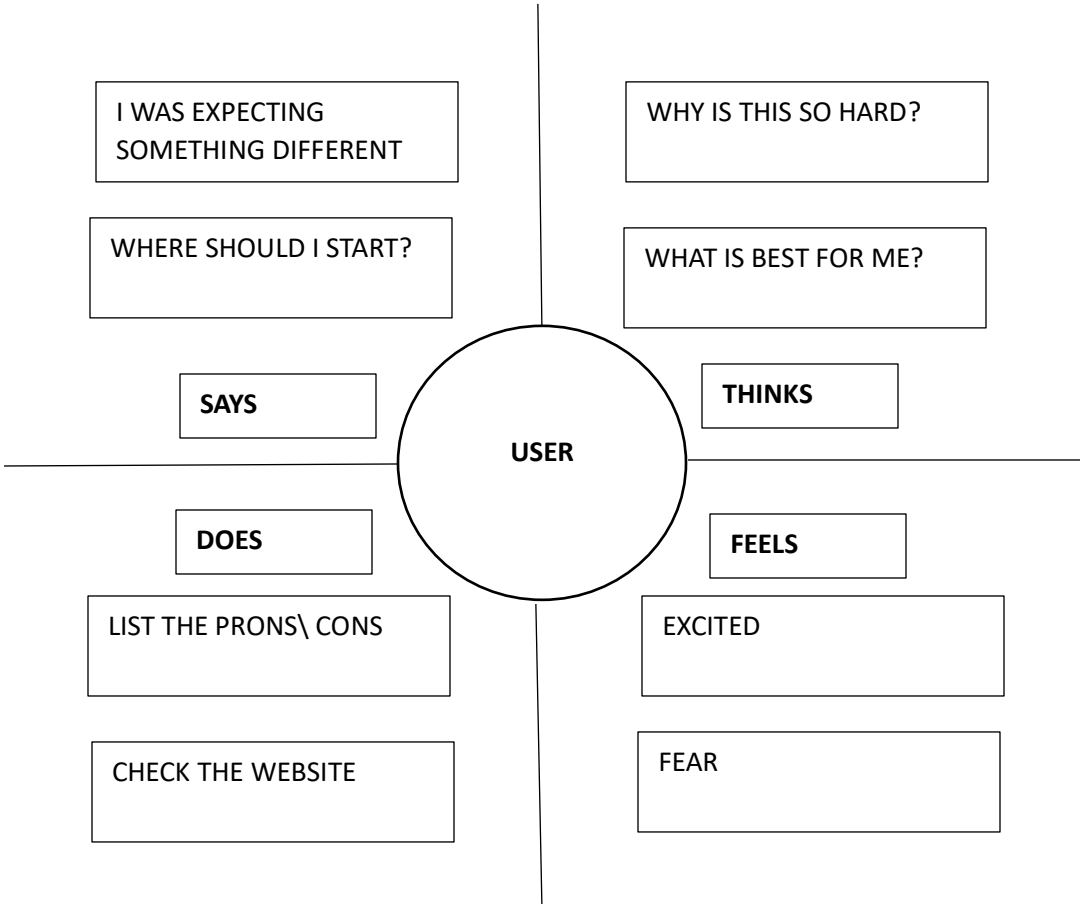
The probability that an accepted student to actually enroll. ML enhances the personalization of student learning programs and courses, promotes tutoring by helping students improve their weak spots and sharpen their skills, ensures quick responses between teachers and students, and enhances universal 24/7 learning access.

- User interacts with the UI to enter the input.
- Entered input is analysed by the model which is integrated.
- Once model analyses the input the prediction is showcased on the UI.

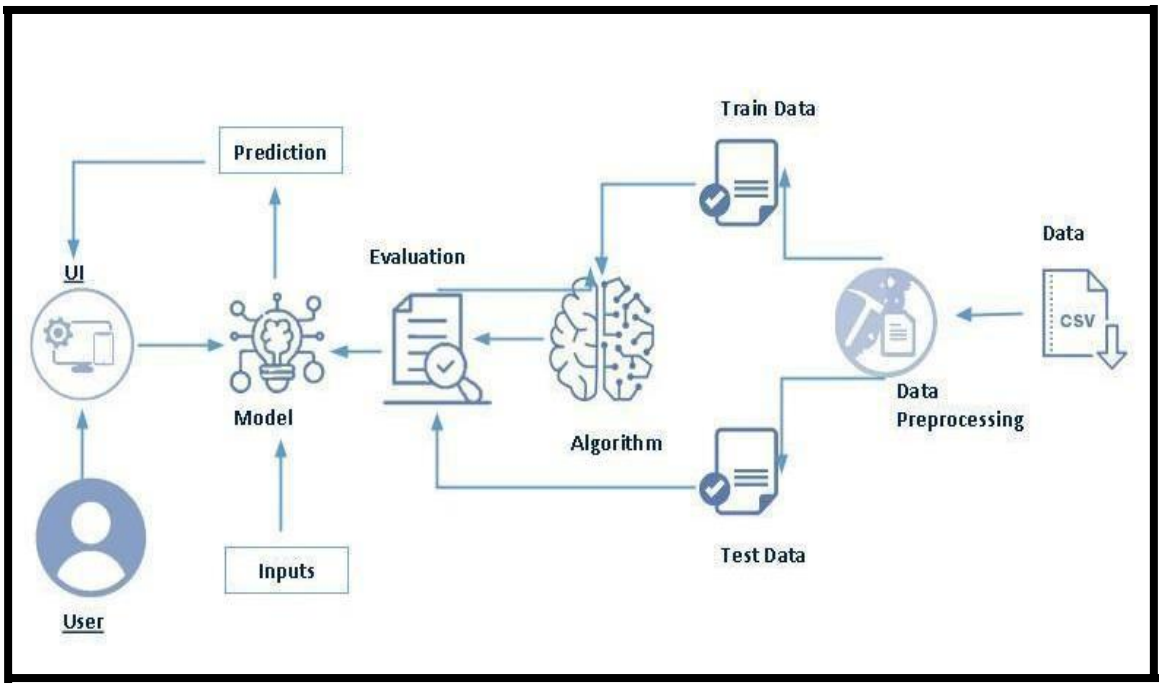
PROBLEM DEFINITION AND DESIGN THINKING

2.1 EMPATHY MAP

An empathy map is a square divided into four quadrants with the user or client in the middle. Each of the four quadrants comprises a category that helps us delve into the mind of the user. The four empathy map quadrants look at what the user says, thinks, feels, and does.



2.2 IDEATION MAP



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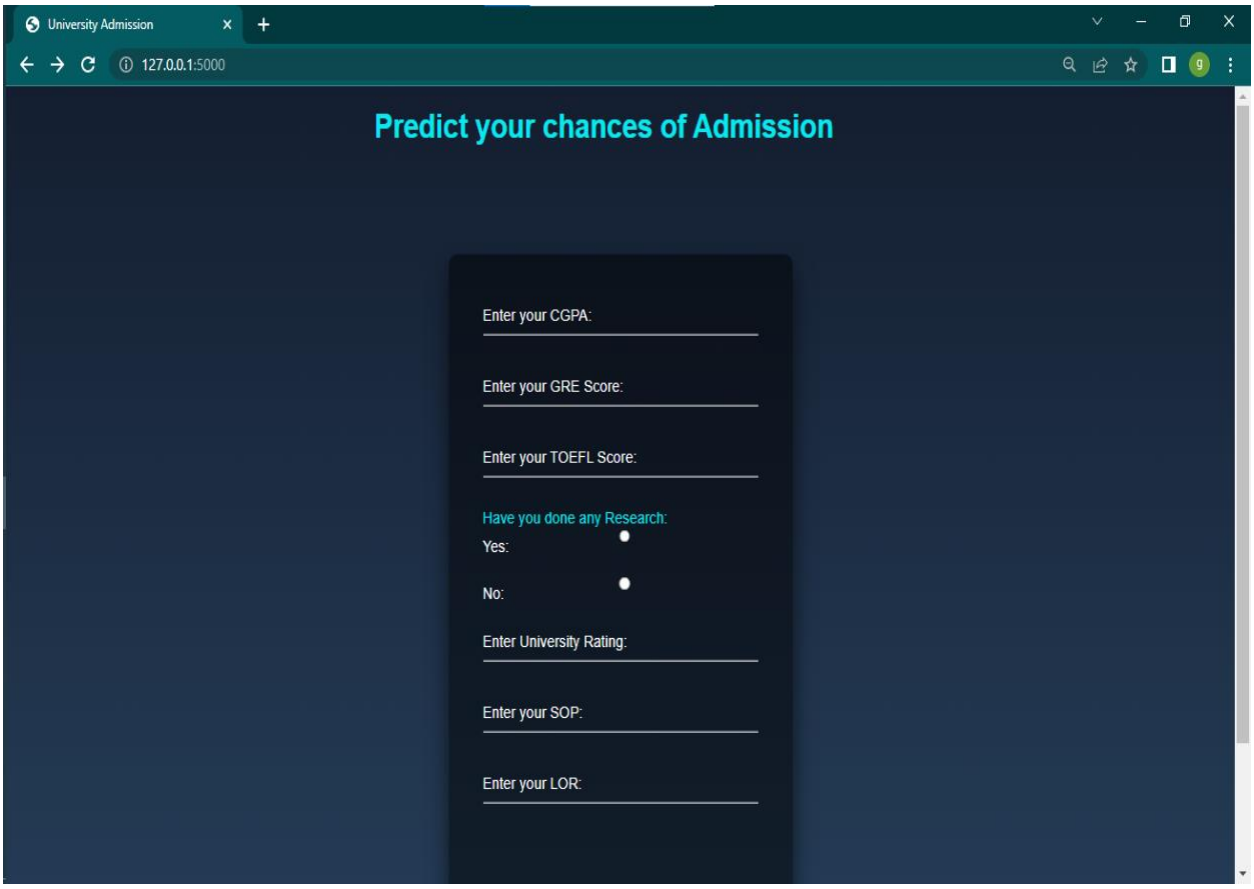
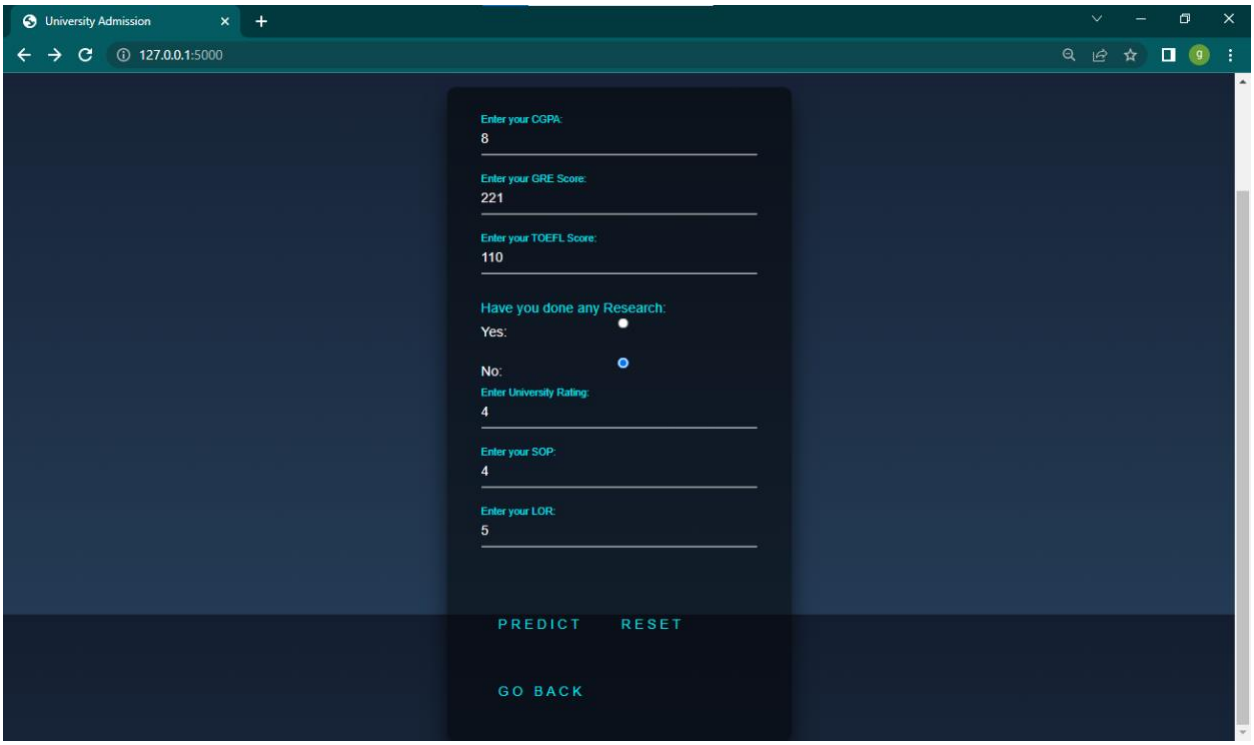
RESULT

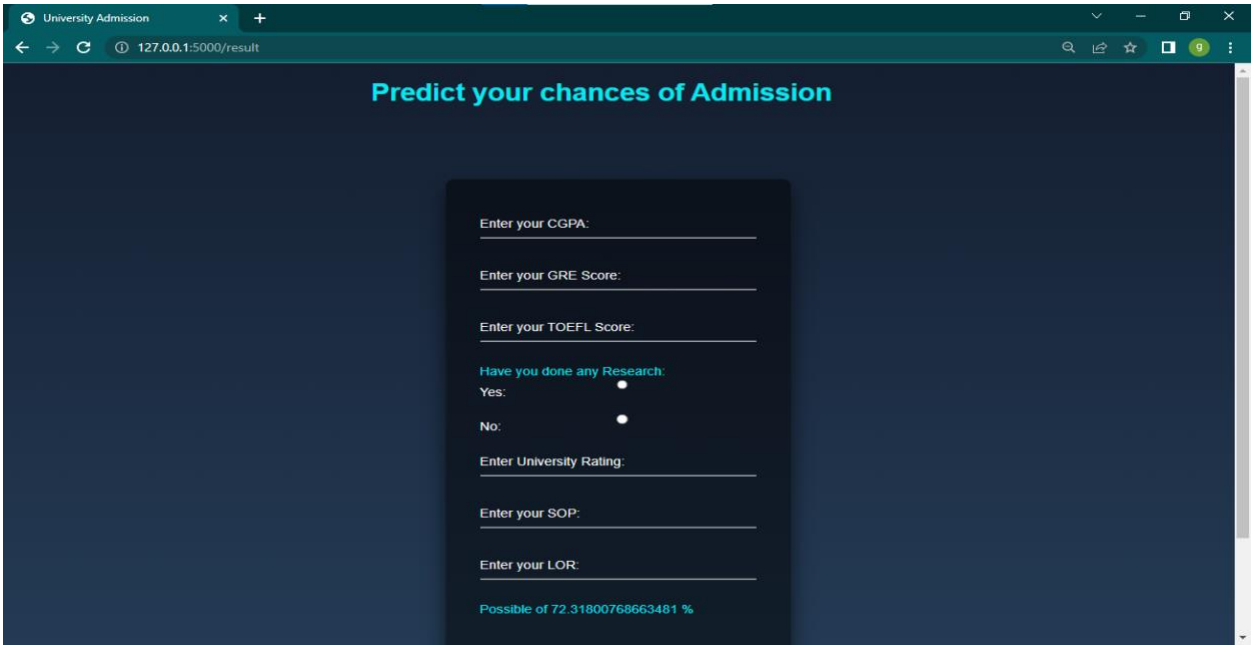
3.1 RESULT



HOME PAGE



INPUT



OUTPUT (PREDICTION)

ADVANTAGES AND DISADVANTAGES

4.1 ADVANTAGES

- The online admission management system gives applicants the best user experience by allowing them to access via their favorite mobile devices, or through a PC.
- Universities and campuses can turn advantageous by saving a lot of their time and effort with an admission automation tool. It filters the best-fitting applicants from the whole and processes only those who suit the specific selection criteria into the next-to-next step of the admissions.
- The online college admission enrollment system provides online application forms for admission, registration, enrollment, fees, hostel, and canteen.
- Students can register and easily apply to their preferred university by logging into their student portal, uploading scanned documents like mark sheet, bonafide, making the registration fees online, doing applicant tracking by receiving auto notification about their admission process, and finally taking up tests and confirm admission.
- Increases efficiency of the admission team with zero errors.

4.2 DISADVANTAGES

- In India, though Internet penetration is rather high. Internet connectivity and speed issues are a major barrier.
- Most rural areas expertise high blackouts and electricity problems.
- Another major concern is the low rate of computer literacy in India. Current estimates say that solely concerning half dozen percent Indians are computer savvy.

- Another necessary concern is the confidentiality of student info and associated security risks concerned in the online application process.

APPLICATIONS

5.1 APPLICATIONS

- Used in Universities.
- Used in high schools.
- Used in all educational institution.
- Used in government institution.
- Used in private institution, therefore it saves more time.

FUTURE SCOPE

7.1 FUTURE SCOPE

A substantial variety of scholars are conferred with the chance to pursue instruction once the completion of their undergrad studies in countries completely different than their home countries. The records of those students that have with success gained admission can be constructive and worthy for alternative students hoping to achieve admission and facilitate them in their call making. Data processing and Machine Learning are the paradigms that may explore and supply exemplary results. In future scholarship can also be issued in this technique.

APPENDIX

8.1 SOURCE CODE

```
rom flask import Flask,render_template,request, redirect,url_for

import pickle

import numpy as np

from scipy.special import expit


model = pickle.load(open('model.pkl', 'rb'))

app = Flask(__name__)



@app.route('/')

@app.route('/home')

def home():

    return render_template('index.html')
```

```
@app.route('/result',methods=['POST','GET'])
def result():
    check = False
    if request.method=='POST':
        check=True
        int_features = [float(x) for x in request.form.values()]


        final_features = [np.array(int_features)]
        prediction = model.predict(final_features)
        output = expit(prediction[0])*100


        return render_template("index.html",check=check,prediction_text=output)


    elif request.method == 'GET':
        return redirect("/")



if __name__ == '__main__':
    app.run(debug=True)
```