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University Admit Eligibility Predictor

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ABSTRACT: Students are often worried about their chances of admission to university. The main goal of our project is to help those students in short listing 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. Accurate prediction of university will be predicted using this portal with the assistance from various technology such as the machine learning with python

KEYWORDS: Admit, Prediction, Analysis, Machine Learning, Python

I.INTRODUCTION

The world's business sector is escalating and is constantly seeking information and experiences that are commonly beneficial to individuals. Young specialists who need to stay in their current positions are always looking for advanced degrees to help them address their skills and information. As such, the number of the sophomores applying for graduation exams has increased over the past decade. One of her main concerns is getting into fantasy her university. You can see that undergraduates are actually choosing to get their education at prestigious universities. Furthermore, when it comes to international alumni, the United States is the main trend for most of them. The most prestigious universities offer a wide range of courses accessible

II.OBJECTIVE

The main objective in this wok can be effectively used to administer the process of predicting respective students to their deserved university with ease by assisting them to access their scores they have to get the result they expect if they are worthy of them. The process apparently needs to be efficient in the aspects of time management and also needs to be economically effective enough to implement.

III .PLANNED TECHNIQUE

Solution architecture is the process of developing solutions based on predefined processor, guidelines and best practices with the objective that the development solution fits within the enterprise architecture,system portfolios, integration requirements, etc.The purpose of image pre-processing is improving image statistics so that undesired distortions are suppressed and image capabilities which are probably relevant for similar processing are emphasized. The preprocessing receives an image as input and generates an output image as a grayscale, an invert and a smoothed.

Now that we have trained both the models' let's test both the models by loading the saved models. let's create another notebook for testing.

S.NO	TITLE	PROPOSED WORK	TOLLS USED/ ALGORITHM	TECHNOLOGY	ADVANTAGES/ DISADVANTAGES
1	Prediction for university admission using machine learning	College admission predictor	k-nearest neighbour and linear regression , ridge regression	Machine learning	College admission predictor
2	Predicting UG admission	Undergraduate admission, educational data mining	Algorithms such as XGBoost , lightGBM, and GBM	Machine learning	Developing an admission prediction system for the UG students Predicting the admission
3	Engineering and technology admission analysis and prediction	Enabling students to be access the admission drives in various college	To build predictive model we used logistic compiler	Data analysis	Get accurate and proper eligibility For the higher studies they desire
4	College admission predictor	Computerization of the entrance seat allotment process	Analytical tools , stats graphs	Data analysis	It makes students come up with their final decision for their future studies

The model is to be tested with different images to know if it is working correctly.

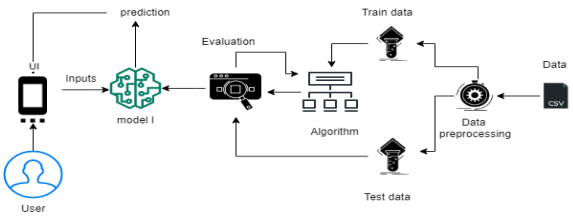

Fig. 1.Architecture

Import the packages and load the saved model

Import the required libraries

initially, we will be loading the input marks. You can test it with the predictor for your eligibility prediction

Load the test image, pre-process it and predict

Pre-processing the image includes converting the image to array and resizing according to the model. Give the pre-processed image to the model to know to which class your model belongs to.

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TRAIN THE DATA: In this milestone, you will learn how to build Deep Learning Model Using the IBM cloud.

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I) REGISTER FOR IBM CLOUD

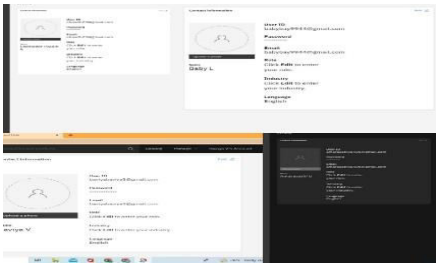

Fig. 2.Registeration process

II) TRAIN MODEL ON IBM

IBM Watson Studio **empowers data scientists, developers and analysts to build, run and manage AI models, and optimize decisions anywhere on IBM Cloud Pak forData**. Unite teams, automate AI lifecycles and speed time to value on an open multi cloud architect

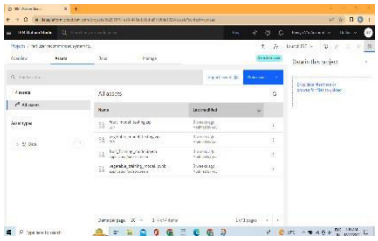

Fig. 3.Training model

DL ALGORITHM: Deep learning is **a class of machine learning algorithms that uses multiple layers to progressively extract higher-level features from the raw input**. For example, in image processing, lower layers may identify edges, while higher layers may identify the concepts relevant to a human such as digits or letters or faces.

EVALUATION: Step 1: Run the application

In anaconda prompt, navigate to the folder in which the flask app is present. When the python file is executed the localhost is activated on 5000 port and can be accessed through it.
Open the browser and navigate to localhost:5000 to check your applicationThe home page looks like this.
After clicking on predict button, you will be redirected to the prediction page where you can browse the images.

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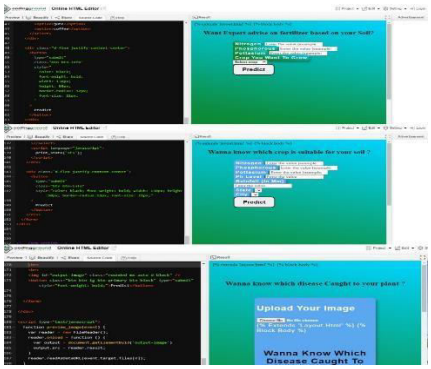

Fig. 4.Sample interface

Eligibility Prediction: The particular set of marks entered by a candidate will be useful and be able to process the prediction of them help in the further progress to get it done the output for the applying students to clear there eligibility and join there university they get chosen to based on the criteria set by those universities

University Recommendation:

Recommend the available set of university to the candidate from the list of possible university for candidate to join as required for their purpose of future studies. The criteria set by theseuniversitystandard will be crucial in judging the candidates possible enrollment

IV.RESULTS AND DISCUSSION

To compare the performance of the proposed. It helps student for making decision for choosing a right college. Here the chance of occurrence of error is less when compared with the system. It is fast, efficient and reliable. Avoids data redundancy and consistency. Very user-friendly. Easy accessibility of data. The code existing CNN method was written in PYTHON, HTML Codes.

V.CONCLUSION

This system, being the first we have created in Python using ML algorithms and another front end languages such as html, css, java script has proven more difficult than originally imagined. While it may sound simple to fill out a few forms and process the information, much more is involved in the selection of applicants than this. Every time progress was made and features were added, ideas for additional features or methods to improve the usability of the system made themselves apparent.Further more, adding one feature mean that another required feature was now possible, and balancing completing these required features.

VI.FUTURE SCOPE

The enhanced version of the web application is created by using the updated dashboard, report and story using the updated dataset and with better DB connectivity. The future scope of this project is very broad. Few of them are: This can be accessed any time anywhere, since it is a web application provided only an internet connection. The user had not need to travel a long distance for the admission and his/her time is also saved as a result of this automated system.

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