MACHINE+LEARNING+ENGINEER+NANODEGREE (1)

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0.1 CAPSTONE PROJECT

0.2 Predicting TheChance Of Admit For The Students of India Aspiring For Masters Program abroad

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0.3 DEFINITION

PROJECT OVERVIEW

- In India Pursuing a Masters Degree abroad is a dream for every individual who aspires to advance the vision in his domain immediately after the Under-Graduation.
- Hence an analysis is made by Mohan S. Acharya, which was posted in Kaggle. **Source :- https://www.kaggle.com/mohansacharya/graduate-admissions**
- By the sheer exploration of the data it is possible to develop certain rating based on the related charactersitics or features which can be used to help students in shortlisting-universities and the rating gives an insight to the individual about a clear idea about their scope or chances for an admission in a specific university of their desire.
- Hence, in this project I developed a model that can predict the individuals chances of getting an admission into an abroad university through a score 'Chance Of Admit', based on his/her performance in the prerequisite examinations like GRE , TOEFL and under graduate score , CGPA and additionally their research experience and ratings of factors that aid the admissions like Letter Of Recommendation(LOR) and Statement Of Purpose(SOP) and the rating of the university that the individual is willing to pursue his education.

PROBLEM STATEMENT ** The goal is to develop a model that can predict the score 'Chance Of Admit', that determines an individuals chances of getting an admission in the university he desires to pursue his/her education.** * The tasks involved are :- * Download and preprocess the Graduate Admissions data * Train a BenchMark Model and record it's performance. * Then three supervised learning models were trained using the training data and a comparision is done based on the performance metric and decided which among the three is the best model. * The best model thus selected is optimized using GridSearchCV technique. * The Optimized model is then compared with the Benchmark model and deciding which is the best for the given data. * Then the best model is validated aganist unseen data and documenting the intuition.