UNIVERSITY ADMIT ELIGIBILITY PREDICTOR

TEAM ID; PNT2022TMID50761

Prior Knowledge:

Prior knowledge is the knowledge the learner already has before they meet new information. A learner's understanding of a text can be improved by activating their prior knowledge before dealing with the text, and developing this habit is good learner training for them.

Machine Learning

A subset of artificial intelligence (AI) and computer science, machine learning (ML) deals with the study and use of data and algorithms that mimic how humans learn. This helps machines gradually improve their accuracy. ML allows software applications to improve their prediction accuracy without being specifically programmed to do so. It estimates new output values by using historical data as input.

Classification:

Classification is the type of supervised machine learning, For any given input, the classification algorithm help in the prediction of the class of the output variables. there can be multiple type of classification are – binary classification, multi-class classification. Types of classification;

- K – Nearest Neighbor

- Logistic regression
- Decision tree Random forest
- Naive Bayes
- SVM

Regression :

Regression is the type of supervised machine learning, When the output is continuous like age, height etc. one of very popular regression algorithm is Linear Regression. Types of Regression ;

- Linear Regression
- Ridge Regression
- Lasso

Clustering :

Clustering is unsupervised machine learning algorithm, it is used to group data point having similar characteristics as cluster. Clustering is divided into two groups ;

1. Hard clustering – In hard clustering, the data point is assigned to one of the clusters only.

2. Soft clustering – It provides a probability likelihood of a data point to be in each of the clusters.

Python Flask :

Flask Tutorial provides the basic and advanced concepts of the Python Flask framework. Our Flask tutorial is

designed for beginners and professionals. Flask is a web framework that provides libraries to build lightweight web applications in python. It is developed by Armin Ronacher who leads an international group of python enthusiasts (POCCO).

What is Flask?

Flask is a web framework that provides libraries to build lightweight web applications in python. It is developed by Armin Ronacher who leads an international group of python enthusiasts (POCCO). It is based on WSGI toolkit and jinja2 template engine. Flask is considered as a micro framework.