

Technology Architecture

Date	29 October 2022
Team ID	PNT2022TMID53812
Project Name	University Admit Eligibility Predictor
Maximum Marks	4 Marks

Technical Architecture Diagram:

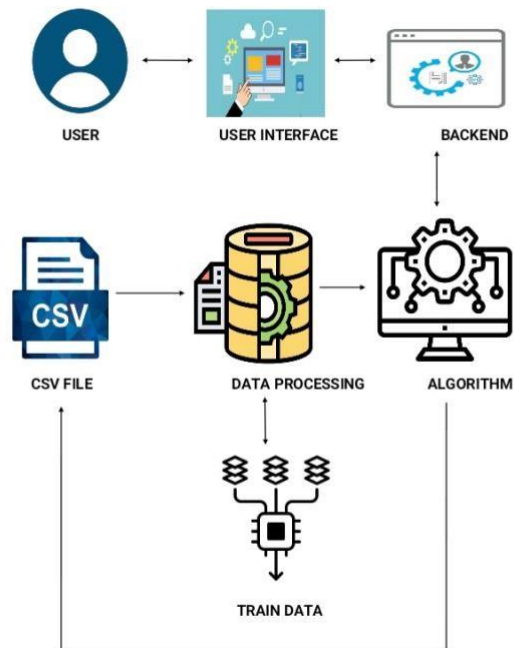


Table-1: Components & Technologies:

S. No	Component	Description	Technology
1	User Interface	The Front-end part of the application	HTML, CSS
2	Application Logic-1	Logic for a process in the application	Python
3	Application Logic-2	Logic for a process in the application	IBM Watson
4	Application Logic-3	Logic for a process in the application	IBM Watson
5	Database	Data type, Configuration	MySQL
6	Cloud Database	Database services on cloud	IBM DB2, IBM Cloudant, etc.
7	Libraries	Import Libraries into data	Numpy, Pandas, Seaborn, Matplotlib
8	File Storage	File storage requirements	Local File System
9	Machine Learning Model	Purpose of Machine Learning Model	Admission Prediction Model
10	Training and testing data	Purpose of training and testing data	Logistic Regression algorithm
11	Accuracy	Accuracy of the tested and trained data	Root Mean Squared Logarithmic Error(RMSLE), Mean Squared Error(MSE)
12	Infrastructure	Cloud Local Server Configuration	Local

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technologies Used
1	Open-Source Frameworks	Describe the utilised open-source frameworks.	Flask Framework
2	Security Implementations	A secure method has b to store the user profile.	Encryptions
3	Scalable Architecture	Numerous calculations can be performed quickly and efficiently.	Logistic Regression
4	Availability	Our website is accessible from anywhere at any time.	IBM Load Balancer
5	Performance	Performance will improve as logistic regression is used to develop it.	Logistic Regression