TECHNOLOGY ARCHITECTURE

PROJECT NAME	University admit eligibility predictor
DATE	PNT2022TMID07254
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MARKS	4

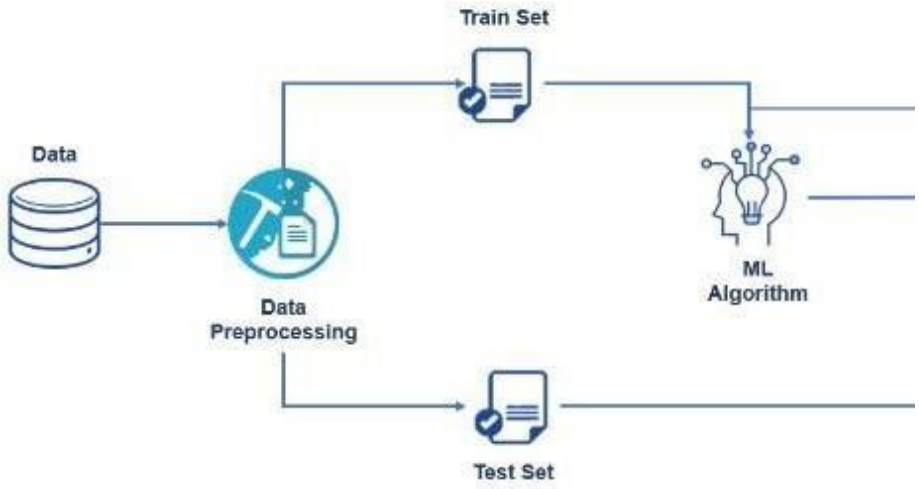

Table-1: Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	The user interacts with the application through a Web UI	HTML, CSS, JavaScript,bootstrap
2.	Application Logic-1	Logic for collecting the input from the user.	Python
3.	Application Logic-2	Integrating Machine Learning model with our application.	Python
4.	Database	Numeric data.	MySQL
5.	File Storage	To store files such as prediction report.	Local Filesystem.
6.	Machine Learning Model	Predictive modelling is a mathematical process used to predict future events or outcomes.	Predictive Modelling
7.	Infrastructure (Server / Cloud)	Application Deployment on Local System Local Server Configuration: Built-in flask web server.	Flask, Web server.

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Flask	Micro web framework with python.
2.	Security Implementations	Http authentication, Session based authentication.	Flask security
3.	Scalable Architecture	Size is everything, and Flask's status as a microframework means that you can use it to grow a tech project such as a web app incredibly quickly.	Flask
4.	Availability	Higher compatibility with latest technologies and allows customization.	Flask

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
5.	Performance	Integrated support for unit testing. ● RESTful request dispatching. ● Uses Jinja templating. ● Support for secure cookies.	Flask

References:

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