

University Admit Eligibility Predictor

Project Design Phase-II

Data Flow Diagram & User Stories

Team Members:

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Technical Architecture:

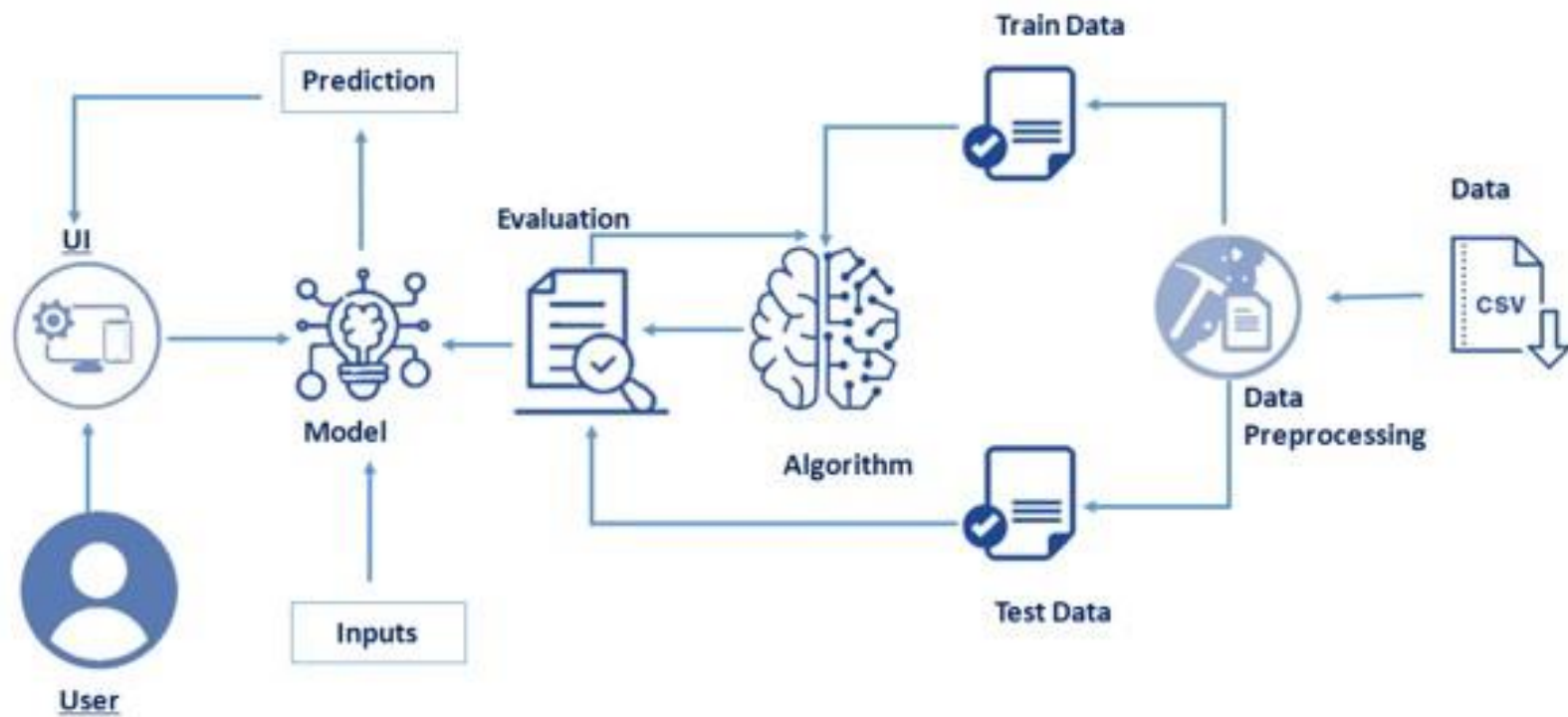


Table-1: Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application.	HTML, CSS, JavaScript/ReactJS
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 STT service
4	Database	Data Type, Configurations etc.	MySQL, NoSQL, etc.
5.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
6	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem
7	Machine Learning Model	Purpose of Machine Learning Model	Classification models like KNN, decision tree, Logistic regression etc.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	Flask
2.	Security Implementations	List all the security / access controls implemented, use of firewalls etc.	e.g. SHA-256, Encryptions, IAM Controls, OWASP etc.
3.	Availability	Justify the availability of application	Technology used
4.	Performance	Design consideration for the performance of the application (number of requests per sec, use of Cache, use of CDN's) etc.	Technology used

