

Project Design Phase-II

Technical Architecture

Date	08 October 2022
Team ID	PNT2022TMID49460
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Team Member	Mr. Karuppaiya (923819104020), Mr. Varun Kumar (923819104055), Mr. Naveen Kumar (923819104028).
Project Name	Developing a Flight Delay Prediction Model using Machine Learning.
Maximum Marks	4 marks

Technical Architecture:

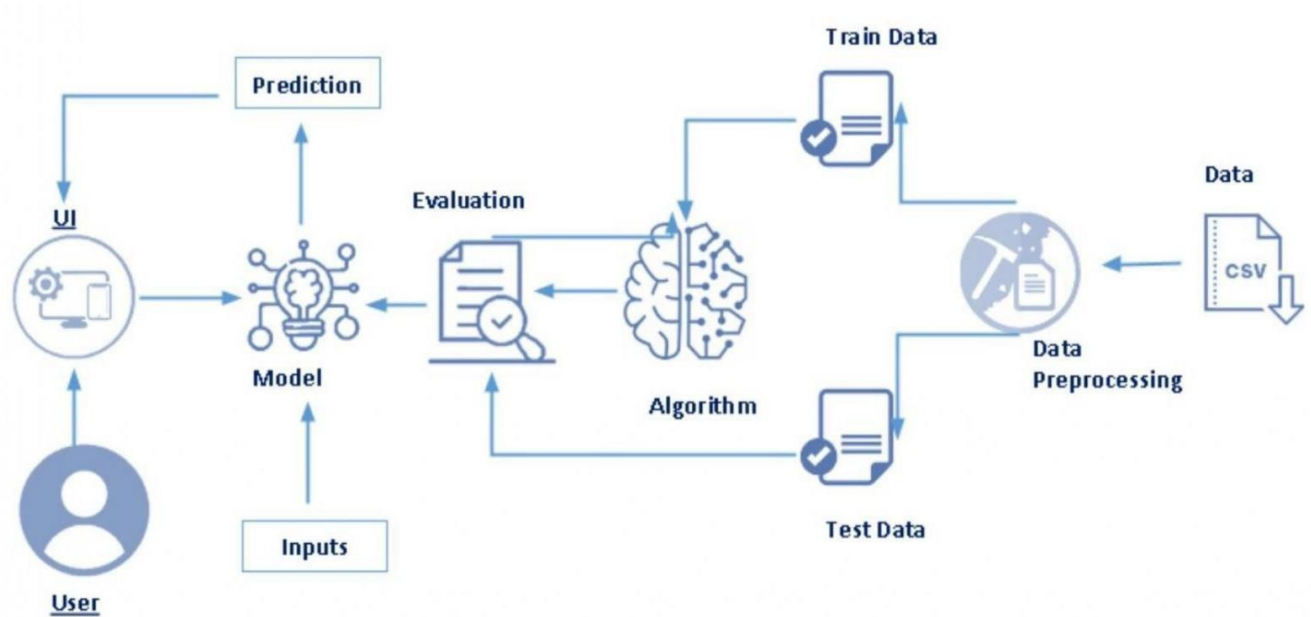


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS, JavaScript / Angular Js /React Js etc.
2.	Application Logic	Logic for a process in the application	Java / Python & IBM Watson
3.	Database	Data Type, Configurations etc.	MySQL, NoSQL, etc.
4.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
5.	File Storage	File storage requirements	IBM Block Storage or Other StorageService or Local Filesystem
6.	Machine Learning Model	Purpose of Machine Learning Model	Object Recognition Model, etc.
7.	Infrastructure (Server / Cloud)	Application Deployment on Local System / CloudLocal Server Configuration: Cloud Server Configuration :	Local, Cloud Foundry, Kubernetes, etc.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	Technology of Opensource framework
2.	Security Implementations	List all the security / access controls implemented,use of firewalls etc.	e.g. SHA-256, Encryptions, IAMControls, OWASP etc.