Project Design Phase-II
Technology Stack (Architecture & Stack)

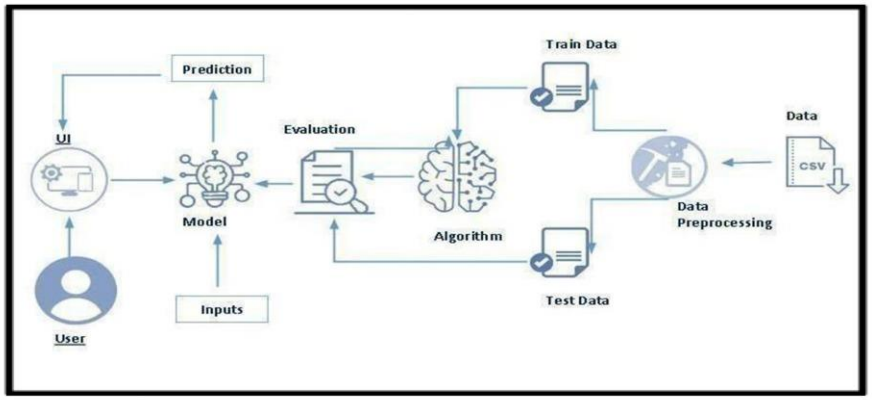
Date	9 October 2023
Team ID	PNT2023TMID592830
Project Name	Project – Travel Insurance Prediction
Maximum Marks	4 Marks

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2

Example: Order processing during pandemics for offline mode

Reference: https://developer.ibm.com/patterns/ai-powered-backend-system-for-order-processing-during-pandemics/



Guidelines:

1. Include all the processes (As an application logic / Technology Block)
2. Provide infrastructural demarcation (Local / Cloud)
3. Indicate external interfaces (third party API's etc.)
4. Indicate Data Storage components / services
5. Indicate interface to machine learning models (if applicable)

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI	HTML, CSS, JavaScript, Python
2.	Application Logic-1	Logic for a process in the application	Java / Python
3.	Database	Data Type, Configurations etc.	MySQL, NoSQL
6.	Cloud Database	Database Service on Cloud	None
7.	File Storage	File storage requirements	Local File System
8.	External API-1	Purpose of External API used in the application	None
9.	External API-2	Purpose of External API used in the application	None
10.	Machine Learning Model	Purpose of Machine Learning Model	Recognition Model

11.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration:	Local

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	Anaconda, Jupyter, HTML, CSS, JavaScript, Python
2.	Security Implementations	List all the security / access controls implemented, use of firewalls etc.	None
3.	Scalable Architecture	Justify the scalability of architecture (3 – tier, Micro-services)	None
4.	Availability	Justify the availability of application (e.g. use of load balancers, distributed servers etc.)	Single Source Server(Local Host 8000)
5.	Performance	Design consideration for the performance of the application (number of requests per sec, use of Cache, use of CDN's) etc.	Spyder