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Team Leader : Navaneethan R

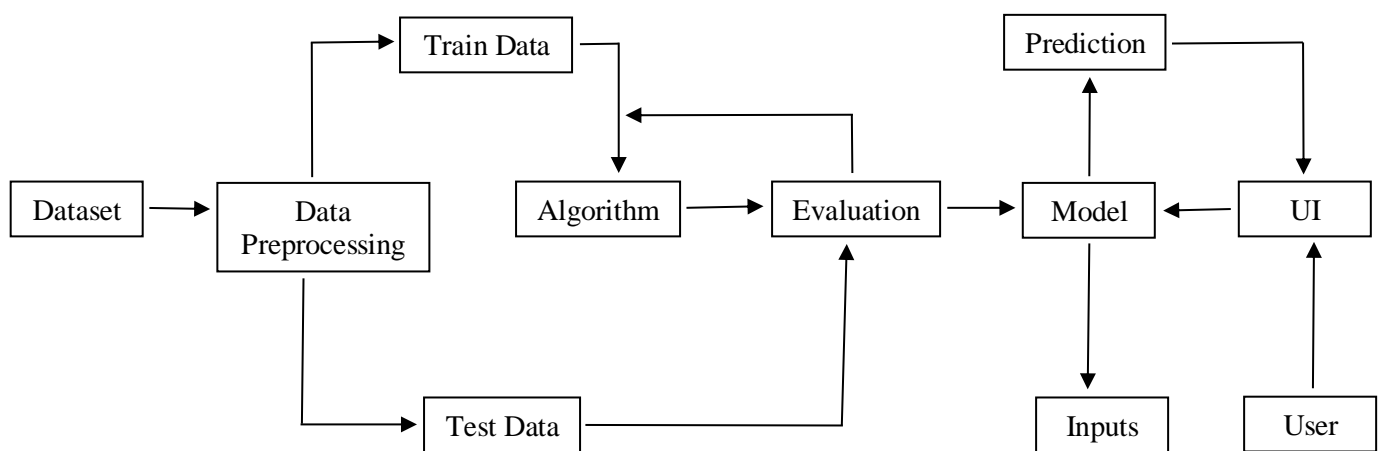
Team member : Logesh G D

Team member : Sarun R

Team member : Mani Bharathi S

PROJECT DESIGN PHASE II

Technology Architecture :



Components and Technologies :

S. No	Component	Description	Technology
1.	User Interface	The User Interacts with the application to depict the Human-Computer interaction and communication	HTML
2.	Application Logic - 1	User Interacts with the UI to upload the input features	HTML, Python-Flask
3.	Application Logic - 2	Uploaded Features/input is analyzed by the model which is integrated	Python
4.	Application Logic - 3	Once a model analyses the uploaded inputs, the prediction is showcased on the UI	Python
5.	Database	Patients records collected from North East of Andhra Pradesh, India	Python

6.	Cloud Database	Database that typically runs on a cloud computing platform and access to the database is provided as a service	IBM Cloud Database
7.	File Storage	To store data in a Hierarchical Structure	Local File system
8.	Machine Learning Model	We apply classification algorithms on our dataset	Support Vector Machine, Random Forest Regression, K-Nearest Neighbor Algorithm

Application Characteristics :

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Flask Micro Web Framework	Python
2.	Security Implementations	With all aspects of the job including detecting malicious attacks, analyzing the network endpoint protection and vulnerability assessment, Sign in encryption	IBM Cloud, IBM Watson Studio
3.	Availability	Available for all data size	-
4.	Performance	Can extend the storage according to our needs	Python