

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

Date	09 November 2022
Team ID	PNT2022TMID18710
Project Name	AI-based localization and classification of skin disease with erythema
Maximum Marks	4 Marks

Technical Architecture:

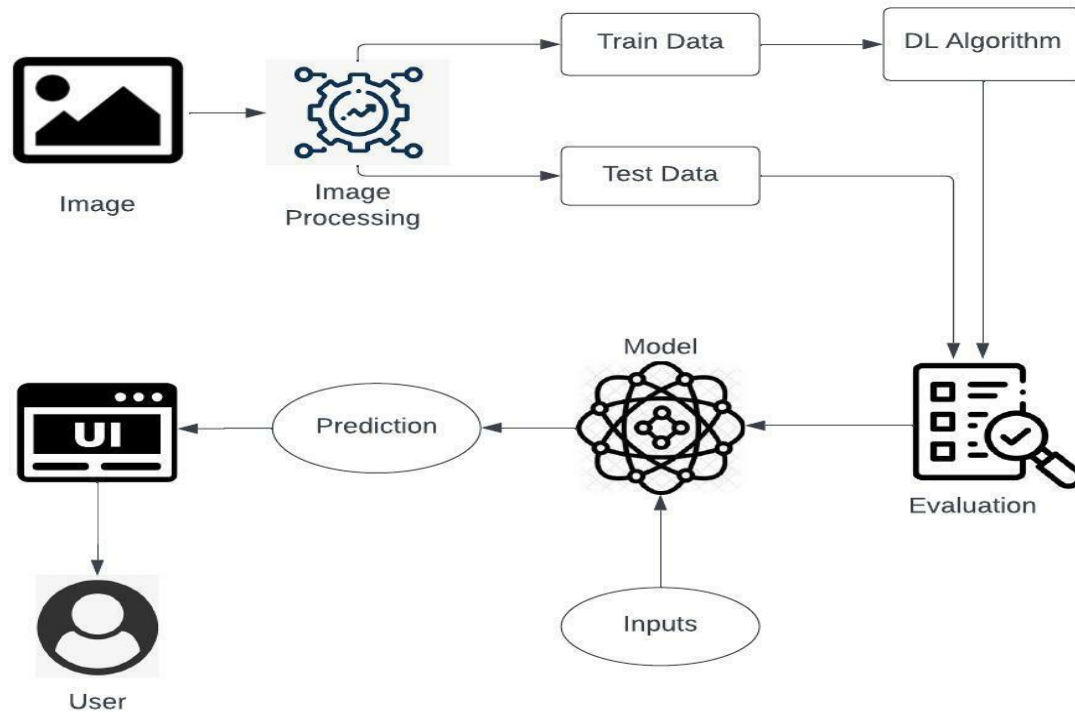


Table 1 : Components and Technologies:

S.No	Component	Description	Technology
1.	User Interface	The point of human computer interaction and communication in a device.This can include display screens,keyboards,a mouseand the appearance of a desktop.It is also the way through which a user interacts with the application or a website.	In Vision studio,Axure,Adobe XD,Webflow.
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 Assistant
4.	Cloud Database	Database Service on Cloud	IBM Cloudant
5.	Machine Learning Model	Purpose of Machine Learning Model	Object Recognition Model
6.	Infrastructure (Server / Cloud)	Application Deployment on Cloud ServerConfiguration :	Kubernetes

Table 2 : Application Characteristics:

1.	Open-Source Frameworks	A software for which the original source code is made freely available and may be redistributed and modified according to the requirement of user.	Esri Geographical Server and ArcGIS Editor for open street map.
2.	Security Implementations	Security Technology are concepts,policies and components designed to minimize risk,identity vulnerabilities,and inform how and when to respond to potential incidents	Artificial Intelligence and Machine Learning
3.	Scalable Architecture	Prioritizing it from the start leads to lower maintenance costs,better user experience,and higher agility.	Cloudinary(like a lot of technology companies looking to conquer scalability issues) is using a degree of Artificial Intelligence.