

Project Design Phase-II

Technology Stack

(Architecture & Stack)

Date	17 October 2022
Project Name	AI-based localization and classification of skin disease with erythema

Technical Architecture:

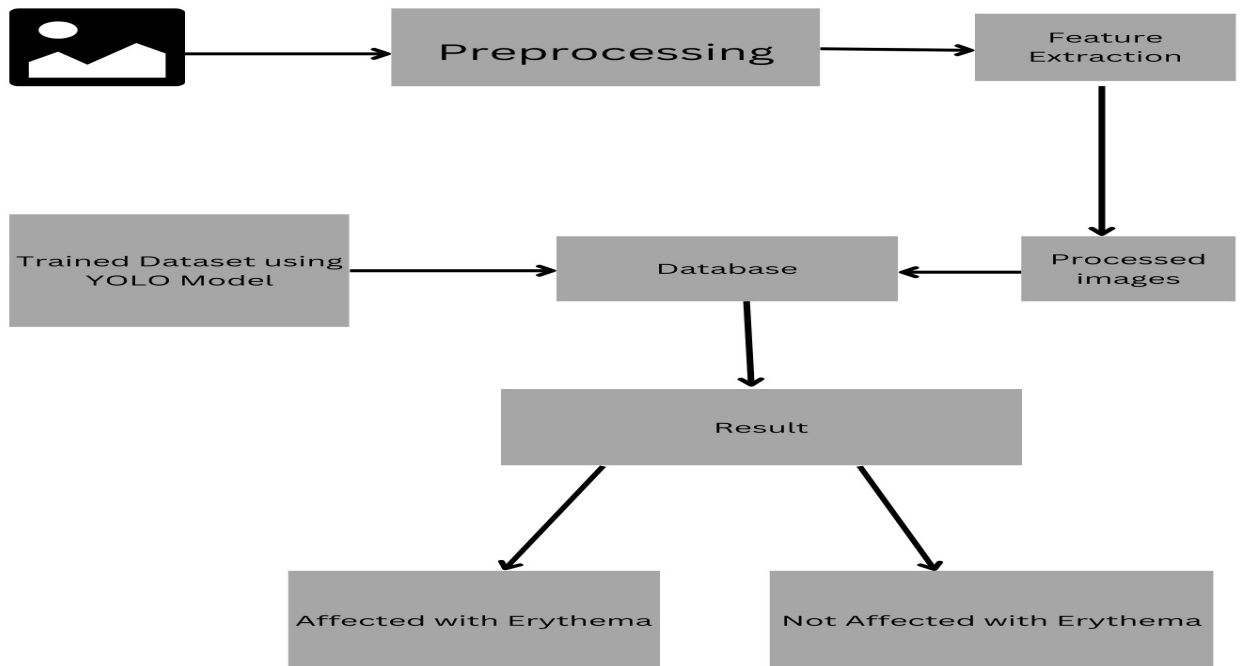


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Chatbot etc.	HTML, CSS, JavaScript .
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 Server Configuration :	Kubernetes

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	Django
2.	Security Implementations	List all the security / access controls implemented, use of firewalls etc.	Encryptions
3.	Scalable Architecture	Justify the scalability of architecture (3 – tier, Micro-services)	3-Tier Architecture

