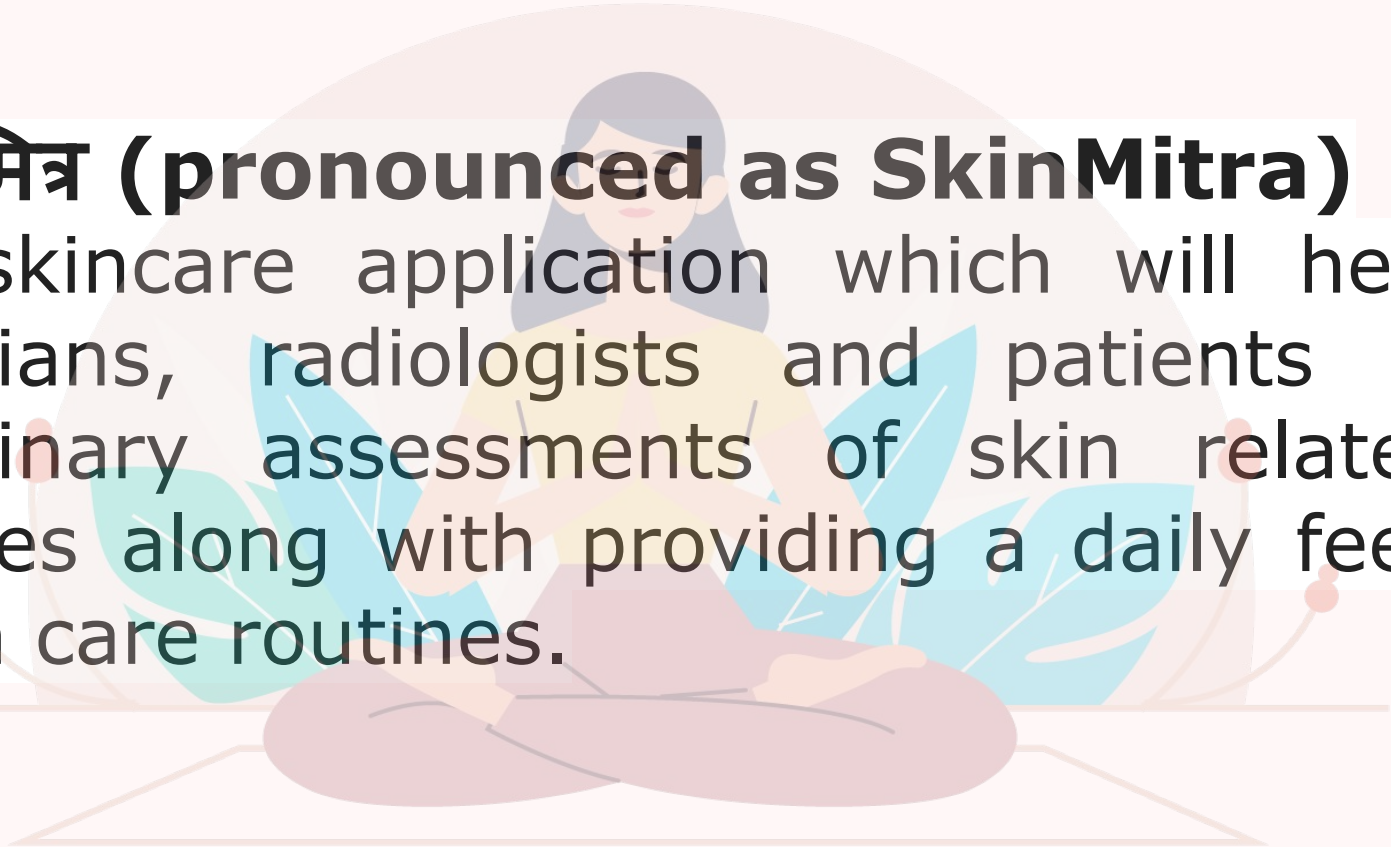
SKINमित्र

HACKMIT
2021

Skinमित्र (pronounced as SkinMitra) is a skincare application which will help physicians, radiologists and patients in preliminary assessments of skin related diseases along with providing a daily feed of skin care routines.



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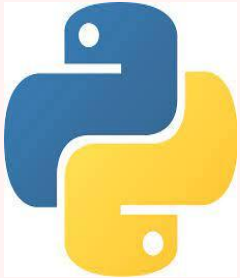
TECHNOLOGIES

Flutter

Firebase

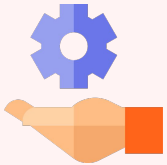


Python

Pytorch

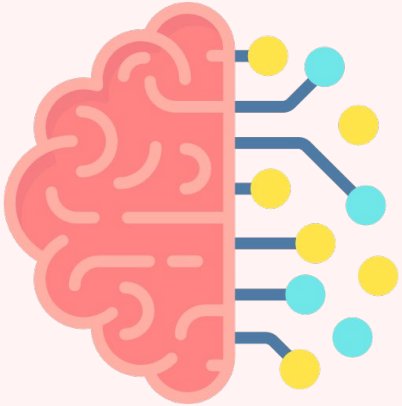
IBM Node-Red

Flask



TECHNICAL ADVANTAGES

- Skin Disease Detection using **Machine Learning Model** enabled through Android App which uses **Flask API.**
- Symptoms are suggested for the skin disease detected by the app using ML model.
- Get access to daily skincare routines and tips with short tutorials that teach you skills you should know.
- A range of essential tutorials to learn from and be prepared. A new tutorial presented to you daily



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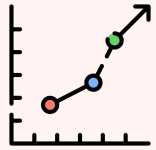
CHALLENGES

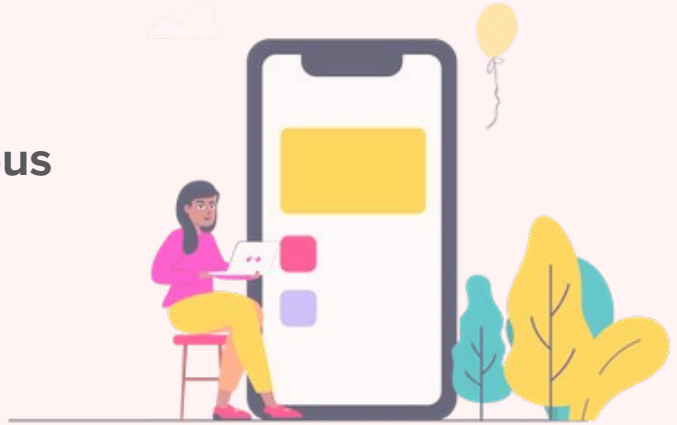
We ran into a lot of problems while trying to automate the process of generating an unseen tutorial every time the user asked for one. We experimented with many frameworks and settled on IBM Node-Red and flask.

Each data structure had its own set of challenges in manipulating it.

IMPACT



- Will provide preliminary assessment to those in India who don't have access to the resources and quality healthcare
- Will Create Awareness for living a Better Lifestyle
- Since the app also focuses on Ayurveda (in the feed), it will have mass penetration in the Indian market as well as those who are curious to try out a new regime.



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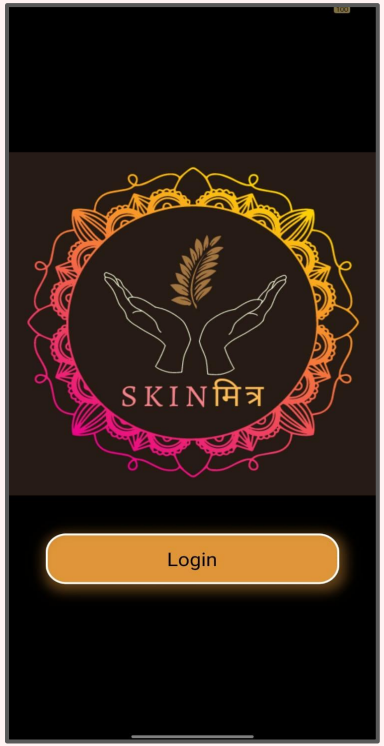
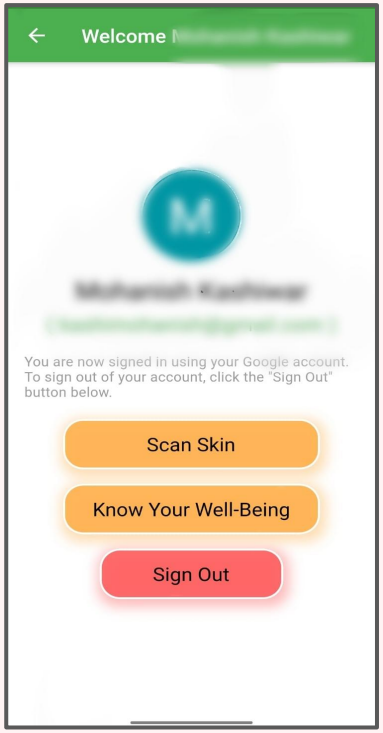
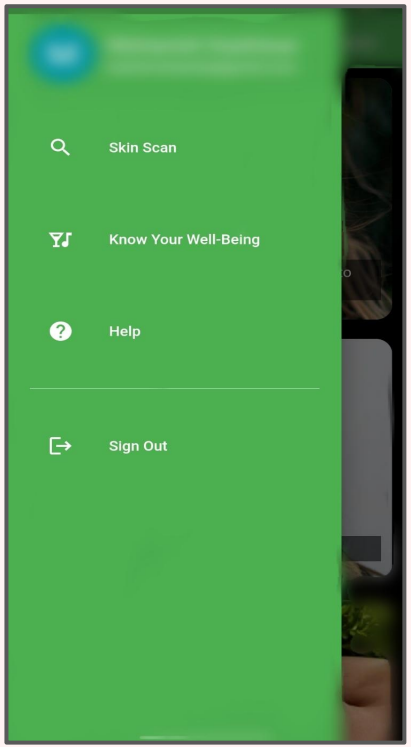
APP WORKING



Login Page

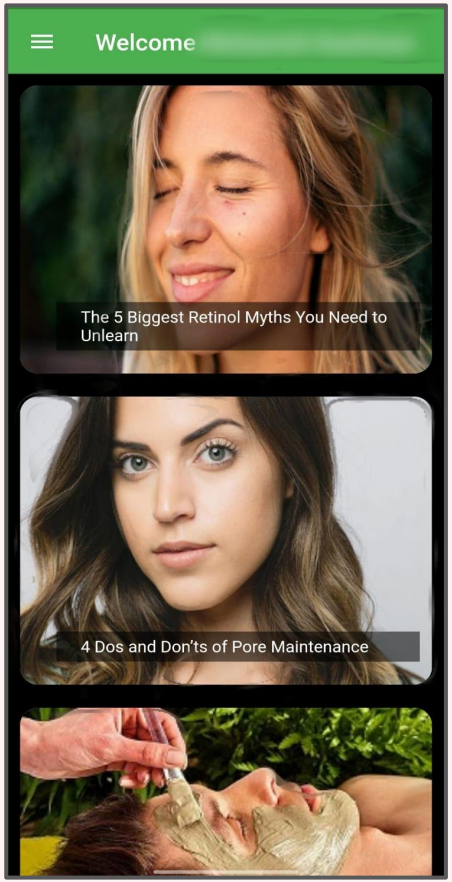


User Info Page

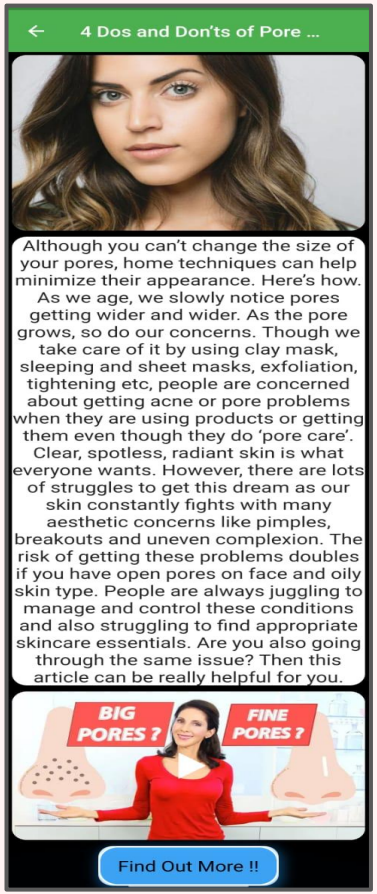


Menu Bar

User Manual

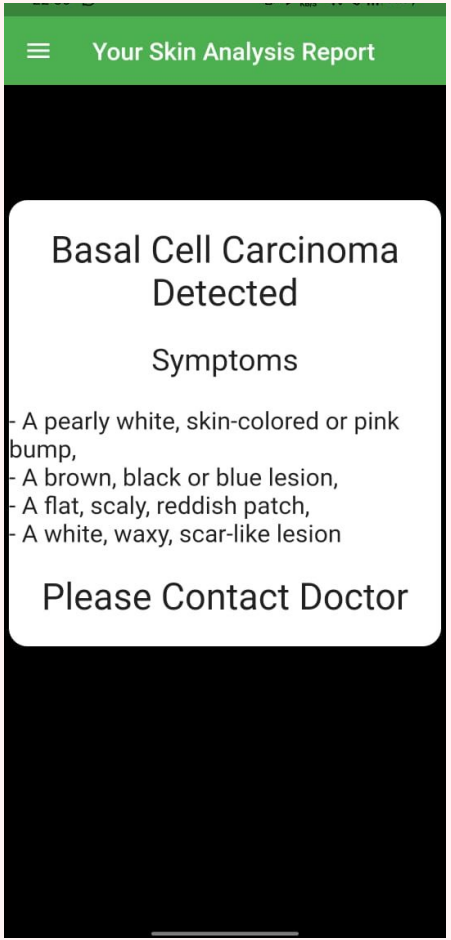


Know Your Well-Being



Tutorials Description

Scanning



Report

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