EpiCare– AI-Powered Skin Disease Detection

Your AI Skincare Assistant

https://github.com/janeeshgithub/HC/

Teammates:

Janeesh P
Deepak A
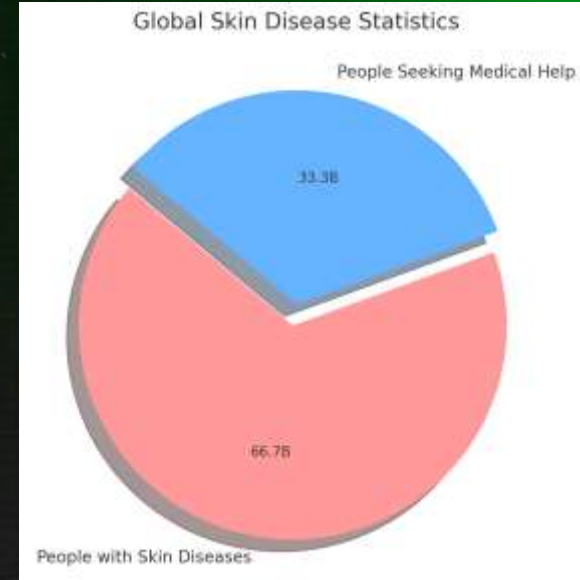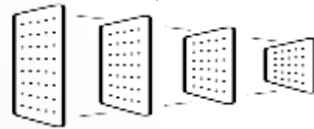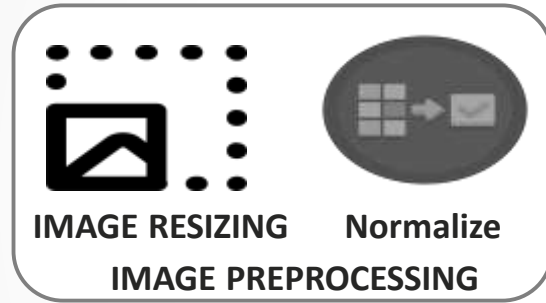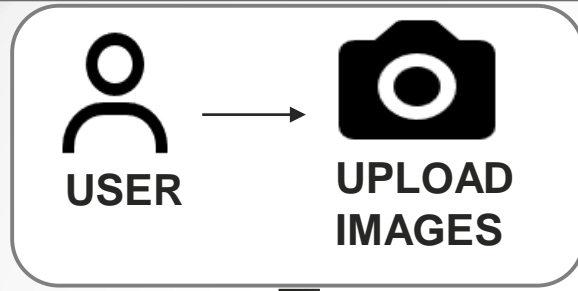Hari Prasath AU
Judson Samuel Y

Problem Statement

Many people suffer from skin diseases, allergies, and other skin related issues but struggle to find the right treatment. Searching for skincare solutions, diagnosing conditions, and choosing the right products can be time-consuming and confusing.
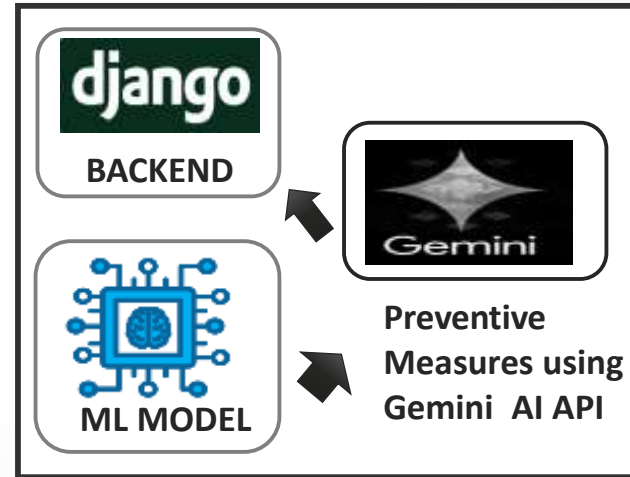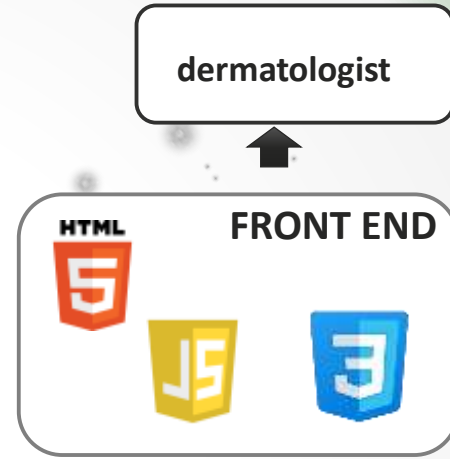
Human Skin Conditions

eczema	urticaria	psoriasis	lichen planus
bruise	pityriasis	acne	vitiligo

Statistics

•According to the World Health Organization (WHO), **over 1.9 billion people** suffer from skin diseases globally.

•**More than 50%** of people with skin issues do not seek medical attention due to cost, accessibility, or lack of awareness.

•Studies show that **AI-powered diagnostic tools** have an accuracy rate of up to **90%** in identifying skin conditions.

•The dermatology market is expected to grow to **$40 billion by 2030**, highlighting the increasing demand for skin-related healthcare solutions.

Global Skin Disease Statistics

People Seeking Medical Help

33.3B

66.7B

People with Skin Diseases

ARCHITECTURE

Solution

We are building EpiCare, an AI-powered application that can analyze skin conditions, provide personalized results, recommend expert solutions, and connect users with dermatologists. Our platform will simplify skincare routines by offering AI-driven insights, product recommendations, and expert guidance, making skin health management easier and more efficient.

DRY

SENSITIVE

NORMAL

OILY

Features

- **AI Skin Analysis** – Detects skin conditions with machine learning.
- **Personalized Treatment** – Custom skincare plans based on skin type.
- **Dermatologist Consultation** – Connects users with skin specialists.
- **Smart Recommendations** – Suggests approved products & medications.
- **AI Chat Support** – Instant skin-related guidance.

Business Model

AI-Based Skincare & Product Ranking

⬙ **Key Partners:** Dermatologists, AI Experts, Skincare Brands, E-commerce Platforms, Influencers

⬙ **Key Activities:** AI ranking, Review analysis, Brand partnerships, Market trend insights

⬙ **Value Proposition: Accurate AI recommendations, Personalized treatments, Expert insights**

⬙ **Customer Relationships:** AI chatbot, Personalized suggestions, Community reviews, Premium plans

Business Model

AI-Based Skincare & Product Ranking

◈ **Customer Segments:** Skincare consumers, Dermatologists, E-commerce shoppers

◈ **Key Resources:** AI tech, Skincare database, Expert network, Review system

◈ **Channels:** Mobile App, Website, Social Media, E-commerce, Influencers

◈ **Cost Structure:** AI Development, Data Analysis, Marketing, Cloud Hosting