



Skin
Check

Derma AI

Instant skin disease diagnosis

Team Derma AI

Amos Kibet

Anthony Nene

Beth Mithamo

Eugene Kuloba

Fridah Kimathi

Scholar Chepkirui

Business Overview

- * Proper diagnosis and treatment of skin diseases is crucial in maintaining healthy skin.
- * Preventing late diagnosis that causes permanent scarring, disfigurement and skin cancer.
- * Skin disease classification tools can aid in early and accurate diagnosis of skin diseases.
- * This project aims to develop a skin disease image classifier .

Business Problem

- * Skin diseases can significantly impact most people's health and quality of life.
- * Cost, time and lack of accessibility birthed Derma AI.

Why us?



No cost

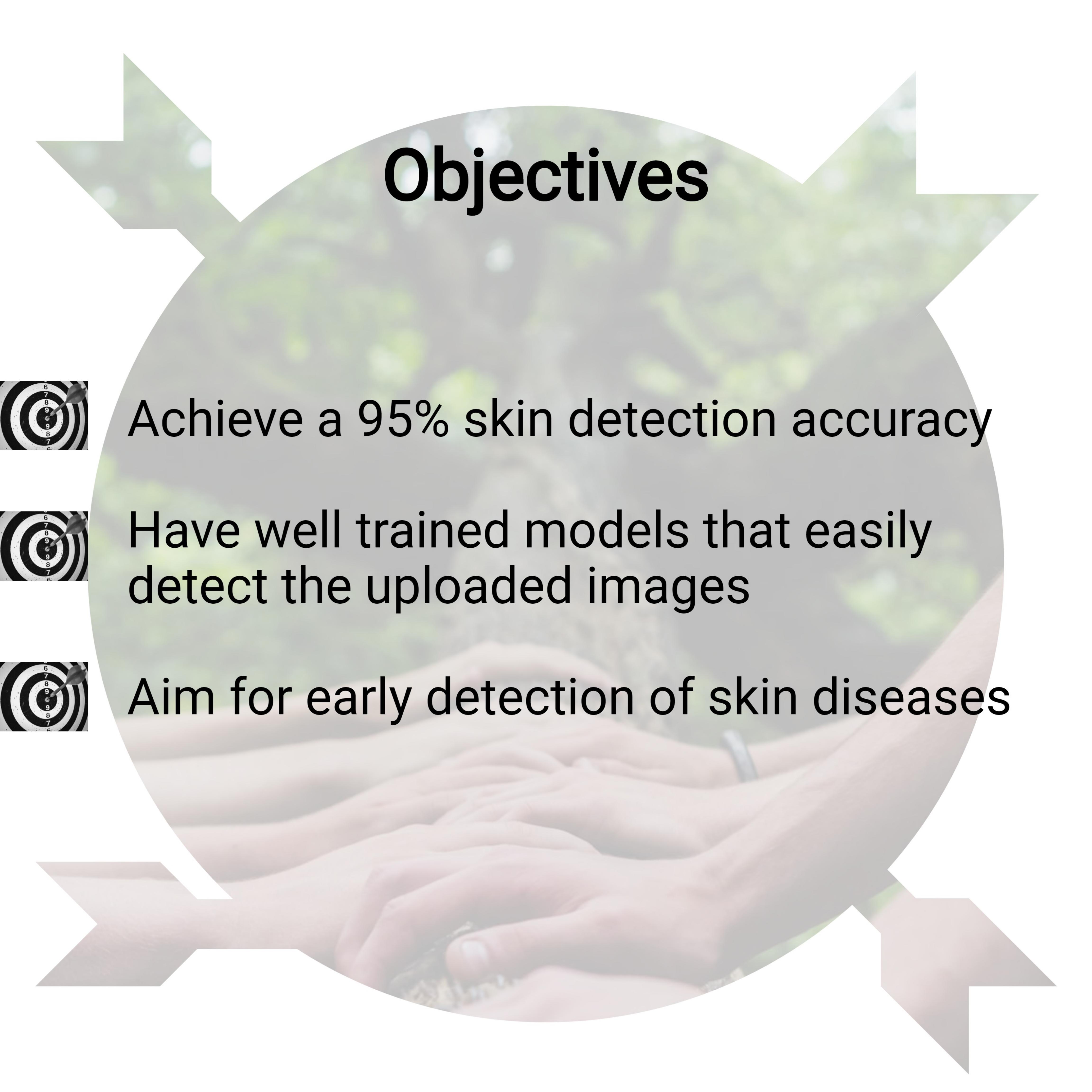


Accessible



No appointment

Objectives

- 
- Achieve a 95% skin detection accuracy
 - Have well trained models that easily detect the uploaded images
 - Aim for early detection of skin diseases

Data Understanding

Our data comprises of skin images scraped from:

- * DermaNet NZ Image Library
- * ISIC 2019 Challenge

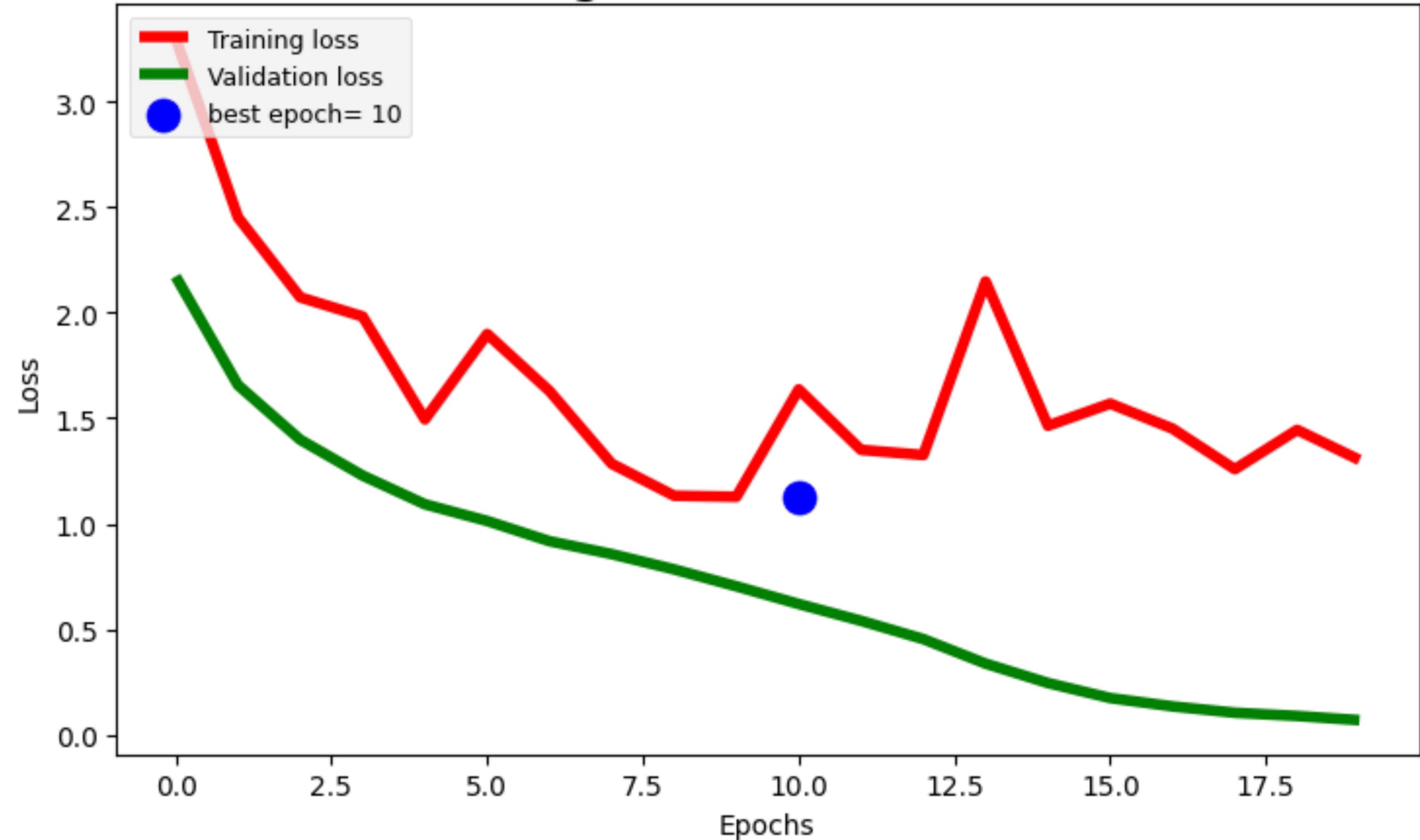
Common skin diseases

Derma AI diagnoses

- Acne
- Atopic dermatitis(Eczema)
- Actinic keratosis
- Benign Keratosis-like Lesions
- Melanoma
- Psoriasis
- Basal cell carcinoma
- Tinea (Ringworm)

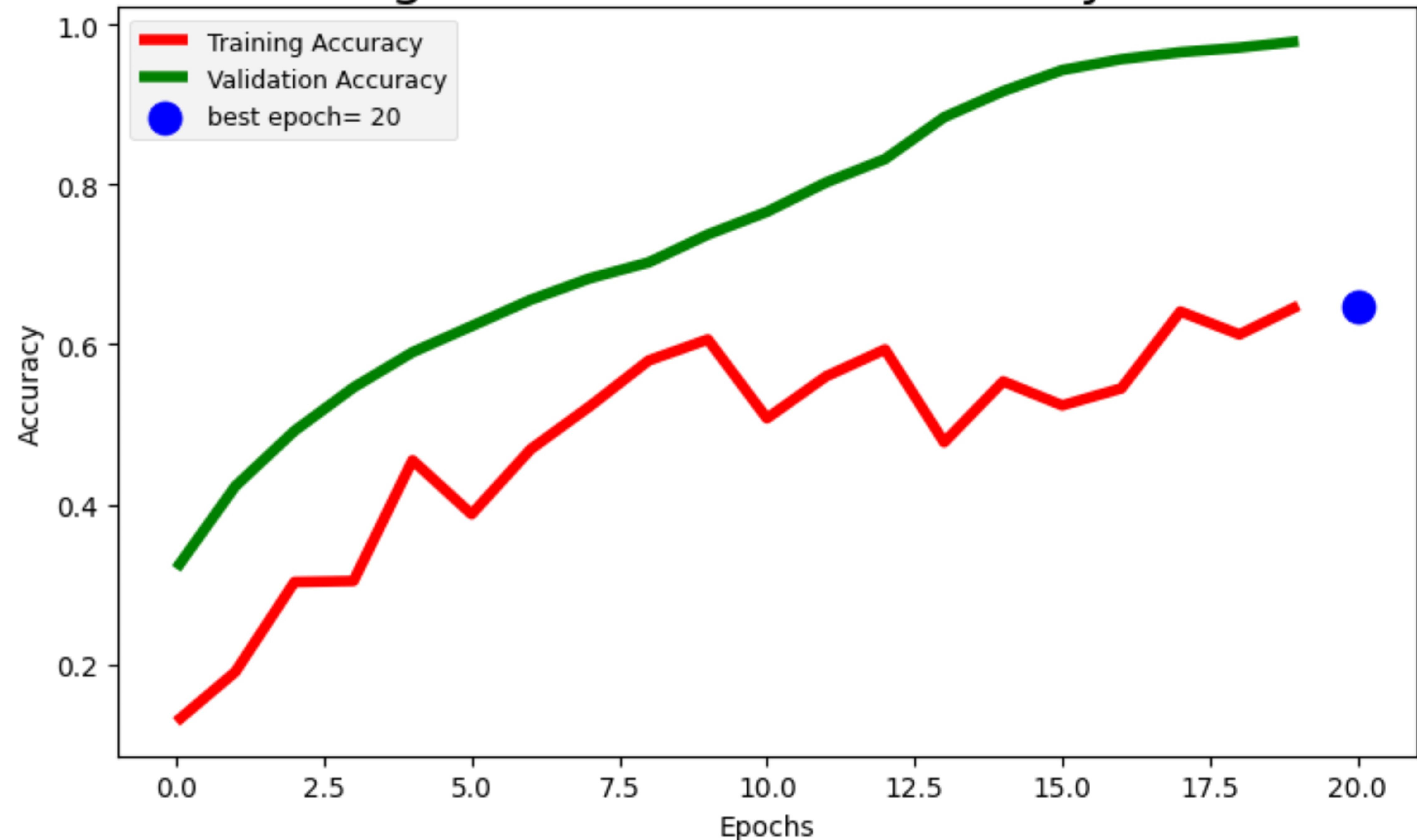
Model Performance

Training and Validation Loss



Model Performance

Traing and Validation Accuracy score

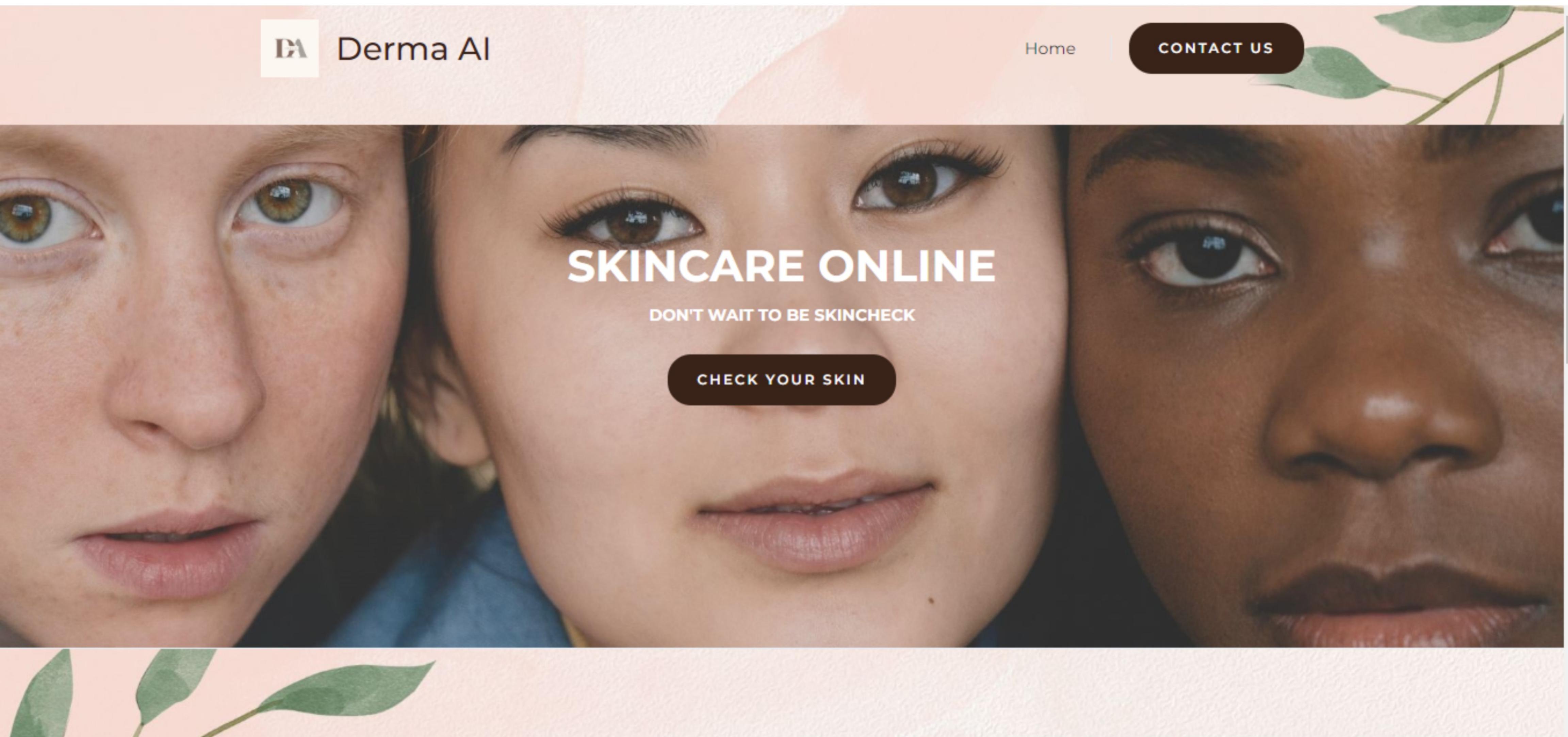


Our Success Criteria

ACCURACY

88%

Our Website



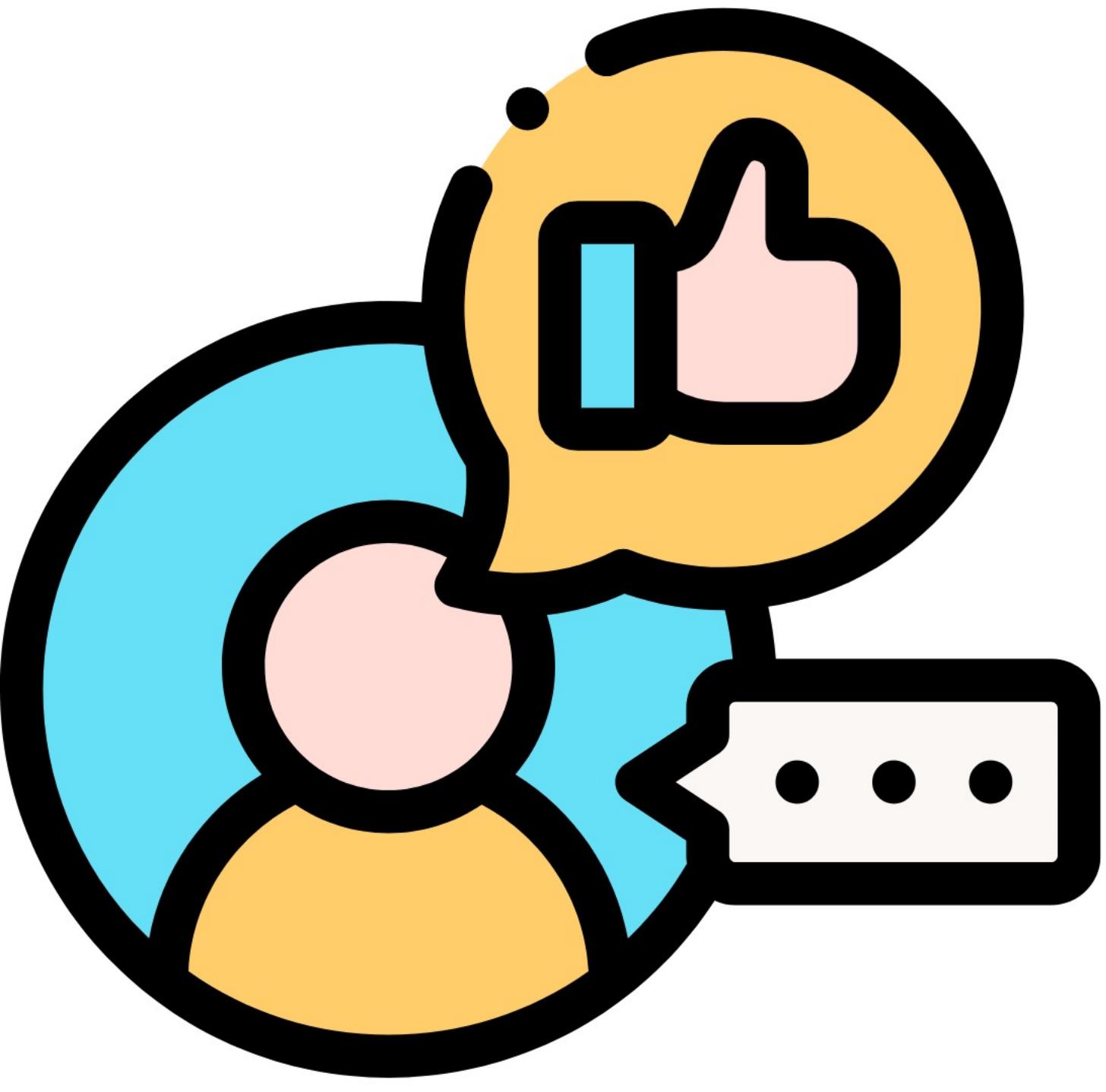
How Derma AI works



Upload affected skin area



Get instant skin diagnosis



Receive recommendations



Derma AI

Beautiful
Skin