

Project Overview

Title: *Luméa – Smart AI Skincare App*

Idea Summary:

Luméa is an AI-powered skincare assistant designed to analyze users' skin conditions through images and questionnaires.

It is designed to be a smart, easy to use companion that offers personalized advice for healthier skin. By understanding skin concerns through user input and photos, it suggests simple home remedies, suitable products, and healthy diet tips. It can also book appointments with the most suitable dermatologists and follow up on your skin's progress making it easier to care for your skin naturally.

Project Tech Stack & Workflow

Frontend: Built with Next.js (developed using v0.dev), deployed on Vercel.

Backend: Developed in Python using the FastAPI framework, deployed on Render.

Conversation AI: Integrated Gemini API for handling conversational interactions.

Image Generation: Direct integration of Gemini Image API within the frontend.

Chat History: Stored in a structured JSON file.

Multi-User Handling: Users are tracked and managed through their IP addresses.

Development Support: Backend logic and structure were refined with assistance from Claude.

Team Roles

- **Project Lead Tehreem :** Oversaw planning, coordination, and deadlines.
- **Frontend Developer Tehreem, Saleha :** Designed and developed the user interface.
- **Backend Developer Mustafa, Ahmed, Farhan :** Created APIs, managed databases, authentication. Built and trained skincare analysis model.

User Acquisition

To reach our first 100 users, we focused on community-driven growth:

- **Social Media Campaigns** – Shared posts and stories on Instagram, and WhatsApp about skincare tips and how **Luméa** can help.
- **Word of Mouth** – Group members.