

VIANI



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❑ Introduction & Motivation

- Skincare is one of the fastest-growing industries, yet access to personalized skincare advice is limited. Many people struggle with skin issues due to lack of awareness, expert consultation, or trial-and-error with products.
- Viani aims to leverage Artificial Intelligence (AI) to make skincare guidance accessible, accurate, and affordable.

❑ Problem Statement

- There is a lack of easily accessible, AI-powered platforms that can:
- Analyze user-provided images of skin conditions.
- Provide instant prescription and recommendations.
- Connect users with certified dermatologists.
- Later, recommend and sell curated skincare products.

❑ Objectives of the project

- Develop an AI model to analyze images of skin/body and detect possible conditions.
- Provide personalized recommendations and prescriptions.
- Enable seamless doctor consultation integration for advanced cases.
- Build a platform to later introduce in-house skincare products.

❑ Literature reviews/ Existing Systems

- Existing skincare apps focus only on product recommendations.
- Some AI solutions exist, but they lack doctor connectivity and prescription accuracy.
- No end-to-end system covering AI analysis → doctor consultation → curated skincare products.

❑ **Proposed System / Approach**

- Users upload a photo of the affected skin/body part.
- AI model processes the image → gives preliminary analysis & recommendations.
- Users can connect with certified dermatologists for professional advice.
- Later stage: Introduce Viani Skincare Products tailored to individual needs.

❑ **Implementation Details**

- Frontend: React / HTML / CSS / Tailwind
- Backend: Django / Flask with REST API
- AI/ML Models: TensorFlow / PyTorch for skin analysis
- Database: MySQL / MongoDB
- Other Tools: OpenCV for image processing, GitHub for version control

❑ **Expected Results**

- AI will give accurate prescriptions and recommendations for uploaded images.
- Users can instantly connect with dermatologists through the platform.
- A recommendation engine for skincare products.
- Improved accessibility, affordability, and trust in skincare solutions.

❑ **Applications / Use Cases**

- Individuals seeking instant skincare advice.
- Doctors using the platform for remote consultations.
- Skincare industry as a sales channel for curated products.
- Expansion into wellness and healthcare apps.

❑ **Future Scope**

- Future Scope
- Enhance AI model accuracy with larger datasets.
- Integrate real-time video consultation.
- Build a community-driven skincare forum.
- Scale to global skincare market with multilingual support.