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Aim Of the Project

GlowGenie aims to transform skincare by offering a personalized, Al-driven platform that helps users precisely identify their skin type and assess product compatibility. By tackling the issue of mismatched products. GlowGenie empowers users to make informed skincare choices, promoting healthier, more effective skincare routines tailored to individual needs.



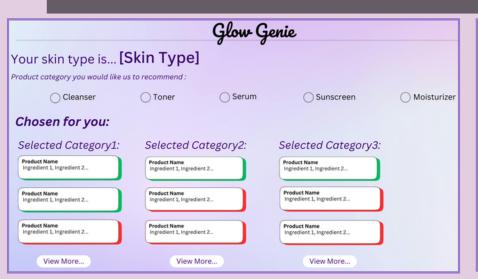
Objective Of the Project

Problem Solving: Simplify the process of identifying skin type and selecting suitable products to avoid negative effects irritation, dryness, or acne.

Personalized Solutions: Utilize AI to provide tailored recommendations based on user input, including skin type, allergies, and preferences.

Accessible Skincare: Make reliable, user-friendly skincare solutions accessible to individuals with varying levels of knowledge.

Sustainability: Minimize waste and financial losses caused by unsuitable product purchases.



Glow Genie		
Your skin type is[Skin Type]		
Ente	er the product or products you want to find out whether the products are suitable for your skin type. You can only enter maximum of 10 skin care products at once.	
	Product1, Product2 Submit	
Please enter the products in the desired form. Such as Product1, Product2, etc		
The product or products suitable for your skin type The product or products are not suitable for your skin type		
Product Nan Ingredient 1	Product Name Ingredient 2 Product Name	
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Evaluation

The performance of GlowGenie's AI model is evaluated using:

Accuracy in determining skin type.

Precision and recall for product compatibility recommendations.

User satisfaction surveys and feedback.

Unit tests for core functionalities.

Integration tests for seamless interaction between components.

Real-world testing to assess user experience

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Implementation

GlowGenie leverages AI and machine learning for a seamless skincare experience. It features a robust architecture with:

Frontend: React for an intuitive interface. **Backend**: Python and Flask for secure data management.

Database: PostgreSQL for storing user profiles and product data.

Machine Learning: Scikit-learn models skin type analysis and product recommendations. Users input skin details, and the system provides personalized routines and product suggestions.

Conclusion

GlowGenie revolutionizes skincare by leveraging datadriven insights and advanced personalization to address the challenges of selecting the right products for individual skin types. By simplifying the complexities of skincare and offering tailored recommendations, GlowGenie ensures that users can confidently choose products that align with their unique needs. This innovative solution prioritizes skin health, promoting better skincare practices. With its userfriendly approach and focus on personalized care, GlowGenie stands as a reliable and effective tool for achieving healthier, radiant skin.

References

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