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AI Skin Disease Detection - Smart Skincare Assistant

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Abstract: *Artificial Intelligence (AI) has emerged as a transformative technology in the healthcare sector, significantly enhancing the diagnosis and management of diseases. Dermatology, which focuses on skin-related conditions, has particularly benefited from AI-driven solutions due to the visual nature of skin diseases. With a growing number of individuals affected by conditions such as acne, eczema, psoriasis, and fungal infectionsoften influenced by environmental and lifestyle factors—there is an increasing need for accessible and efficient diagnostic tools.*

This project, titled "AI Skin Detector: An Intelligent Approach to Dermatological Analysis," presents a smart and user-friendly system designed to analysis skin images using machine learning and computer vision techniques. The application captures real-time images through an integrated camera module, detects abnormalities, and provides probability-based predictions of potential skin diseases. In addition to diagnosis, the system offers personalized skincare recommendations, tracks user progress over time, and integrates Google Maps API to locate nearby dermatologists for further consultation..

Keywords: Artificial Intelligence, Generative AI, Natural Language Processing, Intelligent Tutoring System

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