

Derma Diagnos AI

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Abstract: *In recent years, the advancement of Artificial Intelligence (AI) has opened new avenues in the healthcare domain, particularly in the early detection and diagnosis of skin diseases. This research presents Derma Diagnos AI, an innovative mobile application that leverages machine learning algorithms to predict common and rare skin conditions based on visual inputs. The system uses a convolutional neural network (CNN) to analyze images of the skin and identify potential diseases, providing users with accurate diagnoses and possible treatment suggestions. In addition, the app provides users with a list of nearby clinics or specialists tailored to their predicted skin condition, facilitating timely consultation and personalized healthcare. This paper discusses the development, architecture, and performance evaluation of Derma Diagnos AI, alongside its potential impact on early diagnosis, patient awareness, and access to specialized care. The model's accuracy, user interface design, and clinical integration are explored, highlighting the benefits of AI in improving healthcare accessibility and quality.*

Keywords: Skin Disease Prediction, Artificial Intelligence, Machine Learning, Deep Learning, Convolutional Neural Networks (CNN), Dermatology, Disease Diagnosis, Mobile Application, Healthcare Accessibility, Specialist Referral, AI in Healthcare, Telemedicine, Medical Imaging, Skin Condition Classification