ABSTRACT

This project explores the application of deep learning in skin dermatology, focusing on the automated classification of skin lesions. Skin diseases are a prevalent health concern worldwide, with early and accurate diagnosis being crucial for effective treatment. This project aims to develop a deep learning-based system for skin dermatology that can assist dermatologists in diagnosing skin conditions. The system utilizes convolutional neural networks (CNNs) to analyze images of skin lesions and classify them into various disease categories. By leveraging a dataset of labelled skin images, the model is trained to achieve high accuracy in disease classification. The proposed system has the potential to enhance diagnostic accuracy, reduce the workload of dermatologists, and improve patient outcomes in the field of dermatology. Image classification plays a vital role in categorizing skin images based on the presence of certain features or patterns related to various skin diseases. DermaVision aims to provide a comprehensive and efficient solution for skin dermatology analysis, ultimately improving the accuracy and speed of skin disease diagnosis and treatment.