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In Collaboration with

UNIVERSITY OF WESTMINSTER

Skin Diseases Detection System for Diagnosis of Eczema, Psoriasis and Tinea

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Submitted in partial fulfilment of the requirements for the
BEng (Hons) in Software Engineering degree at the University of Westminster.

May 2022

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Abstract

Psoriasis, Eczema and Tinea Ringworm are widespread degenerative skin diseases that has a high sensitivity in diagnosing. Early detection, which is essential for a proper diagnosis, demands for the involvement of competent dermatologists and requires a lot of time and effort. It is a challenge in regions where access to specialized healthcare is frequently limited.

Additionally, it has the likely to result in a misdiagnosis, unlike computer-assisted diagnostic techniques. Deep learning has recently emerged as one of the best techniques for improving the reliability of medical imaging and classification. In the evaluation of medical images, convolutional neural networks are a more widely accepted and highly effective deep learning technique. This research examined and addressed Psoriasis, Eczema, Tinea Ringworm skin diseases related image classification and detection strategies using deep learning and machine learning approaches. Numerous difficult problems that require more research are highlighted as well.

Keywords: Transfer Learning, Neural networks, Image processing, Skin Diseases Detection, Convolutional Neural Network, Skin Diseases.