

# A Systematic Approach for Skin Disease Detection & Prediction by using CNN

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**Abstract:** Skin is the like powerful protection of important organs in the human body. It acts as a shield to protect our internal body to get damaged. But this important part of the human body can be affected by serious infections caused by some fungus or viruses or even dust too. Due to acne problems to eczema people suffer a lot. A proper diagnosis can result in proper medication that can degrade the miseries of the people suffering. The goal of this system is to develop a prototype to detect skin diseases using neural networks. In the choice of neural networks, we have chosen CNN (Convolutional Neural Network). In this application picture handling strategies are used. Users have to take a photo of the contaminated region of their skin and transfer it to the system. The transferred pictures of illness will be handled in the focal server and it will answer with the disease name. Convolutional neural network (CNN) have been applied in this study for the identification of skin diseases.

**Keywords:** Disease detection, CNN (Convolutional Neural Network)