Skin Cancer Detection

Mahek Shekhda (92200103224), Janak Poshiya (92310103071), Parth Rathod (92200103215), Prof. Pratik kumar Chauhan

Abstract

Skin cancer is very common, and early detection is key to better treatment and survival. In this project, we use deep learning (CNNs) to train a system that can automatically analyze skin images and identify whether a spot is cancerous or not. By preparing the images properly and training the model, it achieved good accuracy, helping doctors save time, reduce mistakes, and make more reliable decisions. This approach shows how technology can support healthcare by improving diagnosis speed and accuracy. It also reduces the heavy dependency on expert knowledge alone. Overall, it highlights the growing role of AI in providing better and faster medical solutions. With further improvements, this system can be expanded for wider medical use. It has the potential to make skin cancer screening more accessible and affordable for everyone.