Project proposal

Student names

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Year of intake

Gabriel Dähn Wiland: 2022
Frank Kvarme Faanes: 2022

Intake group

Gabriel Dähn Wiland: March
Frank Kvarme Ffanes: March

Study type

Gabriel Dähn Wiland: Part-Time
Frank Kvarme Faanes: Part-Time

Project name

Classification of skin diseases using machine learning

Project description

We are working on a machine learning project to develop a computer system that can automatically classify skin diseases and identify disease area. We are training our model on a dataset with images of different skin diseases. Once the model is trained, we will be able to use it to classify new images of skin diseases. This could be a useful tool for doctors or nurses to help them diagnose skin diseases more accurately and efficiently.

The skin diseases the model will identify:

1. Bacterial infections-cellulitis
2. Bacterial infections-impetigo
3. Fungal infections-athlete-foot
4. Fungal infections-nail-fungus
5. Fungal infections-ringworm
6. Parasitic infections-cutaneous-larva-migrans
7. Viral skin infections-chickenpox
8. Viral skin infections-shingles

Project goals or objectives

The goal of this project is to create a classification system that accurately distinguishes between different types of skin diseases from images. This can help doctors or nurses identify different skin diseases fast and accurate.

Source of data

-Data from a public source (freely available on-line data set or sets)

The data comes from Kaggle.com and the dataset I am using has a public domain license. Here is the link to the dataset I am using: https://www.kaggle.com/datasets/subirbiswas19/skin-disease-dataset/data