Final Project

Problem definition:

Given a set of raw labelled faces which has been detected and centered by the Viola Jones face detector and collected from the web.[1] The dataset contains insufficient and sufficient faces labelled with their names. Our job is to clean the data, feature the faces and learn from training data so that we can give a name with respect to the input face. In this problem, we treat each name as a class, so our goal is to classify the faces to the right classes.

For example:

Here we give a picture coming from the datasets.

***Input:***



Figure 1

***Output:***

Colin\_Powell

Actual class: Colin\_Powell

Answer: Right

Reference:

1. https://www.kaggle.com/datasets/jessicali9530/lfw-dataset