FCML project

Mărculescu Tudor

## Problem statement

For this project, a neural network is used to detect the faces of personalities from Germany, so it uses the CNN embedded in the [“facenet-pythorch”](https://github.com/timesler/facenet-pytorch) python module. Since it also needs to run on an embedded device, this module fits well due to its portability into pythorch which can run on Raspberry Pi.

## Database

The database on which the neural network was trained is VGGFace2. The German personalities that were chosen for this project are:

1. Angela Merkel
2. Olaf Scholz
3. Ursula von der Leyen
4. Claudia Schiffer
5. Herta Müller

There are many pictures on the internet that can be found with them that are similar with the ones from VGGFace2.