

## Abstract

Technology is continuously advancing, so do the threats attached with this technology. For that, and to sustain a stable society, security must suit those advances.

With this project, we intend to approach the security topic in public places (such as airports or shopping centers) from a facial recognition point of view.

For that, we have designed a prototype of a person identifier system through a facial recognition program, developed in *Python* and using *Machine-Learning* technologies.

In that system, we start with a database with images of people in a search and capture list. This way, from an image captured in-place, the system will recognize the face and identify if it exists in the database.

## Keywords

Python, artificial intelligence (computer vision), facial recognition, machine learning, network training

## Full project

<https://github.com/victorcas04/TFG-FacialRecognition>