Face-vs-Place

The goal of this assignment is to build and deploy a Face-vs-Place classifier. This assignment consists of two parts:

1. Face-vs-Place

We would like you to implement a ‘Face’ vs ‘Place’ classifier. Given a set of images containing:

a) Faces
b) Places (Landscapes, buildings, monuments, etc.)

Build a classifier that classifies the given set of test images (you are allowed to source your own data). We will test your method on a “private” dataset, similar to the images provided. For this exercise you are allowed to use OpenCV, Scikit-Learn or other libraries however you are **not allowed to use a face detection library**, we expect you to write your own classifier.

2. Deploy the Face-vs-Place application

Design, implement, document, and deploy a web API so that exposes your Face-vs-Place classifier. Your API and its documentation should allow for anyone to easily call your service by sending an image and getting a response whether this image is of a face or a place. We will be testing your API with an internal test set.

Feel free to deploy the service on any server you like for bonus points. Note that this is not a requirement, a script and documentation on how to deploy locally is good enough to pass the test.

Deliverables

We are not looking for an approach that gives 100% accuracy, we want you to demonstrate your computer vision, machine learning and engineering skills and if your approach doesn’t work please document what you tried and explain why it didn’t work. We expect you to send in the following:

- Link to code in public git repository (training code & deployment code)
- Report explaining your classifier approach, data used, and design decisions made.
- Instructions on how to run and deploy your code.

Although it's not a requirement, we encourage and advise all candidates to use Python for the task. Please try to provide code that runs independently of the platform you are using. We will review your work based on your approach and code quality.

Please complete the assignment within 72 hours. If you have any queries please contact us.

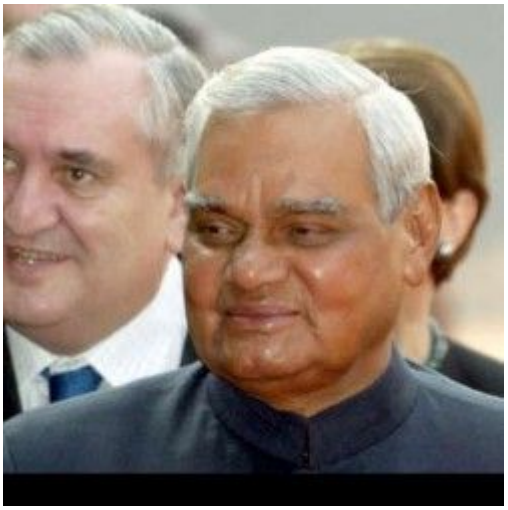
onfido

Faces:







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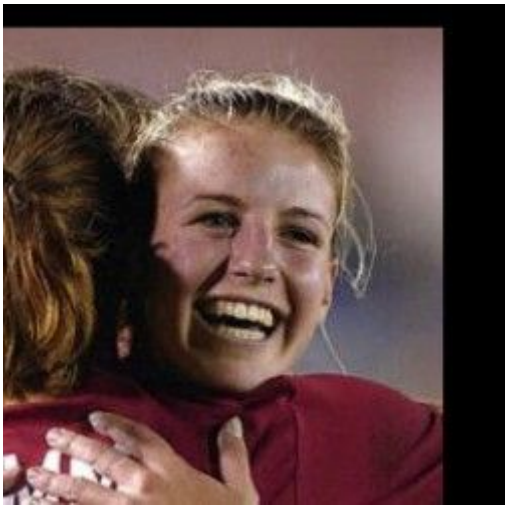

Places: