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**ROLL NO**: BSAIM-F23-005

**SUBJECT**: PAI-LAB-TASK6

**Face Profiling:**

This project is the simple face traits analyzer web app made using flask and open CV with the front end. It allow user to upload an image and then detect their face and eyes and then analyze the facial features to predict personality traits after that it will return the processed image.

**How:**

When a user upload an image the app use open CV to find the face and eyes in the image. It calculates face width, forehead height, eye distance and also the eye size. There is a haarcascade ready to made tool in open CV that help us to find these features in the uploaded image so based on the distance between the eyes, the app predict weather the person is most extroverted or introverted like if the eyes are close apart or widely space after that it will show the analyzed traits and the processed image with the detected features.

**Why:**

The project is useful because it display how the computer vision can be applied to facial analysis, in a fun way it introduce the basic Ai-based predictions. It provide real time image processing using open CV.

**Output:**

