

Data Scientist (Test - IV)

Please read the questions carefully and write the code as optimized as possible, with comments. (python language is preferred, writing code in MATLAB is not recommended).

Height, Weight and BMI Identification

Problem Statement:

Design and develop a pipeline for the following

Give a human face + torso image, identify the BMI by first predicting height and weight of the individual. Ideally it works for Indian faces for all adults (male/female). As part of the exercise you need to define the data collection and annotation strategy followed by choosing the right AI technique to solve the problem.

In your submission include code for starting up a Simple HTTP Server (python) that will allow for an image upload and display the marked image.



Expected Results:

- **Design:** Approach to training, testing and execution. A write-up on the observation during the design of the system (mainly drawbacks of the different algorithm and reason the use any working algo).
- **Data and Augmentation:** Mention the method to collect the data, annotation strategy and feature engineering. Include a zip file with data or share a link to the data used.
- **Code:** Package your code files into appropriate directory structure, complete with any additional elements you use for configuration, visualization, etc. The code should be self-explanatory, structure the code for ease of use during testing. Pls make sure it is runnable.

Submission:

Drop all the files in a specific folder, compress and reply to: submit@millioneyes.com.