

FIT-ORBIT

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Abstract: Fit Orbit is basically a platform which provides you the best fitness centre that is close to your home, in your neighborhood. We provide you the proper details about a fitness centre and what facilities they are providing, straight from your smartphone.

Keywords: best fitness centre, classification, facilities

I. INTRODUCTION

Fitness is an extremely good physical condition beyond wellness. Nowadays, several gyms are available for people to do tremendous workouts and keep themselves fit and healthy. In the era, where most of the time we are stuck to our chairs or couch, it becomes very important to include a fitness regime in our daily routine. Physical fitness not only makes the body fit and healthy, but it also enhances our mental ability and positivity. Most products and services in the market today are geared towards providing consumers with new and exciting ways to maintain good health and well-being. While many of these people visit gyms and fitness clubs to get in better shape or gain more strength, those with the want to become more fit and lead more active lifestyles our website is providing the best fitness centre.

II. OBJECTIVES

The objectives of Fit Orbit includes-

To find the nearest fitness center or gym within seconds.

Easy to use, quick and convenient way to find a fitness center near you. This website quickly identifies your location and lets you choose the nearest gym or health club. Book Consultations, leave feedback, receive offers, and locate the best locations in your area. Also works great while traveling. If you own a Fitness Facility, sign up to upgrade your profile. Send users in your immediate vicinity offers, receive consultation bookings, and provide users with more information about your facility.

We shortlist every fitness centre you and provide you with the best possible review out there with images, videos, and writing reviews by visitors and users.

All fees structure and upcoming offers on festival. Offer for students, couples, coupon code extra discount if someone take membership through our website, how many machines are available for particular exercise. All services that is provided in a membership like extra activities on weekend, gym is ventilated or not, lockers, restrooms, Steam room, Zumba classes etc.

Membership freezing and Membership transfer option is available or not.

Overall the objective is to provide detailed information about every fitness centre near you in one place to make your life easier.

III. LITERATURE SURVEY

Nearest neighbour search (NNS) [1] is a problem of finding the point in a given set that is closest to a given point. We can search nearest point by giving spatial or textual keywords as input. The spatial queries are either snapshot or continuous queries. For example, ‘Where my nearest gym is’ and ‘which are the gyms within two miles of my location’, this types of queries are known as snapshot queries. Continuous queries include continuously ‘report my nearest gym fitness’ and continuously ‘report the gym fitness within one mile of my car’.

Disadvantages- As we know there is no platform for people who want to join a fitness center online except google but in that we can only check the detail like contact number, photos and images etc.thats it and sometimes reviews are fake, So it is difficult for beginners to find a good Fitness center for them.

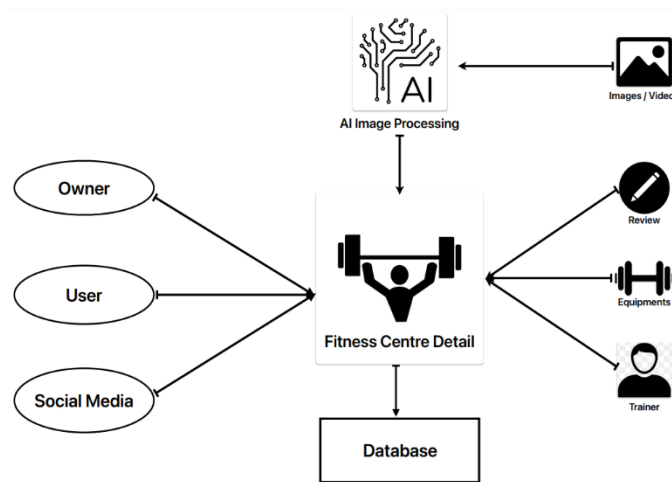


Fig. 1 working sample

IV. METHODOLOGY**FACE RECOGNITION — STEP BY STEP**

For each step, we’ll have a different machine-learning algorithm. We will learn how we can build our own facial recognition system in Python using Open Face and dlib. The first step in our pipeline is face detection. We will need to locate the faces in a photograph before we can try to tell them apart. Face detection is a great feature for cameras. When the camera can automatically pick out faces, it can make sure that all the faces are in focus before it takes the picture. But we’ll use it for a different purpose — finding the areas of the image we want to pass on to the next step in our pipeline.

Face detection went mainstream in the early 2000’s when Paul Viola and Michael Jones invented a way to detect faces that was fast enough to run on cheap cameras. However, much more reliable solutions exist now. If you repeat that process for **every single pixel** in the image, you end up with every pixel being replaced by an arrow. These arrows are called gradients and they show the flow from light to dark across the entire image.



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