

proposed solutions[AI based Nutrient analyser]

1. **Neutrino: AI Nutrition App**

As the name shows, the app delivers nutrition-based analytics and data to its users and becoming a leading platform for delivering AI fitness services. It uses mathematical and natural language processing (NLP) models to deploy predictive analysis for tailored data compilation. Further, it shares nutrition-based data with its partners through SDK and API integration to enhance its services and product offering.

It is an Israel-based startup founded in 2011 shares pregnant women to personalize their body's nutritional demands. This app joined its effort with IBM's natural language power to offer 24/7 support and food recommendations.

2. **FitnessAI: Ultimate Workout at Home Solution**

This fitness AI app is created with customized workout plans per user. It started as "gym only software" but now updated its system to meet "at home fitness" demands. **FitnessAI** claims to “outperform any human fitness trainer” as its algorithm is trained on over 5.9 million workouts. Moreover, it considered over 10 million sets, weights, and reps from about 30000 advanced gym-goers and weightlifters over three years. In other words, it is an excellent example of machine learning in action for planning workouts exceptionally.

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3. Fit Genie: Smart Calorie Counter

This AI-based application produces tailored data about calorie intake and shares food suggestions accordingly. Its AI is strong enough at recognizing an individual's taste, body type, food preferences and then tell what one should eat accurately. These suggestions also offer ingredient substitutions to reach one's body's nutritional demands. All these benefits are gathered into a single.

4. Freeletics: Europe's #1 Fitness AI App

Freeletics doesn't promise to be better than a human expert trainee, but it is a well-known fitness app in Europe. It allows its users to stay active and participate in fitness struggles everywhere while getting AI fitness suggestions. According to its CEO,

“85% of its customers enjoy AI-generated workouts and called them perfect.”

Its coaching algorithm offers nutrition and exercise advice based on scientific research, users' input, and personal preferences. Also, it shares a community page where users share information about their success, interact, and inspire others.

5. Suggestic: AR-Based App

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It works on a machine learning algorithm in collecting data from persons' health using tracking devices and food logging to share tailored food suggestions. Its bot answers the user's queries throughout the day. Moreover, its augmented reality feature recommends menu items when users sit in a restaurant when the app is pointed to the menu list.

6. **Vi Trainer: Virtual Coach**

This virtual coach uses AI to help its user achieve fitness objectives by motivating them to run more often. It shares the best-customized training plan based on your age, gender, current body level, goals to achieve, and other factors just after you install the application. ***Vi fitness AI app*** is in action in starting enjoyable and dynamic training in real-time to personalize users' experiences based on their preferences. Plus, its bio-sensing headphones make it unique among other similar options. It offers exercises that can be performed, whether inside or outside.

7. **Calorie Mama: Cultural Food Identifier**

Its image classification and AI-powered technology involve in identifying food rightly. When a picture is shown to it, ***Calorie Mama*** calculates calories in it. Its food AI, proprietary API, is trained to detect and identify cuisines globally, making it the best food identification app.

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