

Project Proposal

Name of the Project:

NutriGame: AI-Based Nutrition Tracking and Recommendation System with Chatbot, Social Sharing, and Gamification

The URL of the Project Web Page:

Github url: <https://github.com/Gr8Slayers/NutriGame>

Names of the Team Members:

Betül Aydeğer, Duygu Tümer, Zeynep Yavuz, Nazlı Ceyda Ünsoy

Project Description (1-2 paragraphs):

NutriGame is a mobile application designed to make healthy eating more accessible and engaging. It helps users monitor their daily nutrition and calculate calorie intake based on individual goals with the information of the daily user logs which are added manually by the user or added automatically with the given information from the AI food recognizer tool. In addition to tracking nutrition, NutriGame encourages motivation through social features and gamification. Users can connect with friends, start or join daily challenges, and share their progress within challenge groups. In addition to these social features, users can also share their healthy recipes on their profile, same as posts in social media but nutrition based which are accessible for their friends. The app also includes a streak feature that rewards consistent daily logging. By completing tasks, users earn badges that recognize their achievements. Moreover, the application includes AI based features. AI-powered chatbot provides psychological encouragement to support users throughout their journey and AI-based food recognition tool estimates calorie values and nutrition information from photos to provide a faster decision process for users on what to eat.

In conclusion, NutriGame can be characterized as a social media oriented application designed to promote healthy eating with caring about the users motivation and social connections to make them enjoy the process while eating healthy.