THESIS

To obtain the diploma of **Master**
Field: **Computer Science**
Specialty: **Système d'Information et Web (SIW)**

Theme

Food Recommendation Systems

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Submission Date: **25 June, 2023** In front of the jury composed of:

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Academic Year : 2022/2023

Acknowledgments

First of all, I thank the Almighty God for giving me the strength and will to accomplish this work, and also the courage to continue despite the encountered difficulties.

Words cannot express my gratitude to my parents. This endeavor would not have been possible without the help, support and encouragement of my parents during all my studies.

I would like to express my deepest appreciation to my supervisor Dr. ELOUALI Nadia, who helped me enormously with valuable guidance and constructive advice, regarding both my master thesis and my final year project.

I am also thankful for my supervisor Abrerrahim BOUZIANE from the company Dig&IT who guided me throughout my final year project. And the director Yacine ABDELMALEK who offered me the opportunity to work and learn in an amazing environment.

Special thanks to the administration and working team of our school, especially the school director Dr. BENSLIMANE Sidi Mohamed and Dr. AMAR BENSABER Djamel, and all the teachers who provided us with great knowledge throughout all the five years.

Lastly, I would like to thank all people who have helped me, near or far, through a gesture, a word, or advice.

Abstract

Food recommendation systems have become increasingly popular with the growth of online food ordering and delivery services. These systems provide users with personalized recommendations for restaurants and dishes based on their food preferences, dietary restrictions, past behavior...etc

This thesis explores different approaches and methods used in the literature for developing more effective and personalized food recommendation systems. Artificial Intelligence has played a significant role in this, as there are various algorithms such as Natural Language Processing techniques and machine learning algorithms, which analyze various data points, such as users' past orders, reviews, ratings, and search history, to provide intelligent and customized food recommendations.

Keywords

Résumé

Les systèmes de recommandation alimentaire sont devenus de plus en plus populaires avec la croissance des services de commande et de livraison de nourriture en ligne. Ces systèmes fournissent aux utilisateurs des recommandations personnalisées de restaurants et de plats en fonction de leurs préférences alimentaires, de leurs restrictions diététiques et de leur comportement antérieur...etc.

Ce mémoire explore les différentes approches et méthodes utilisées dans la littérature pour développer des systèmes de recommandation alimentaire plus efficaces et personnalisés. L'intelligence artificielle a joué un rôle important à cet égard, car il existe divers algorithmes tels que les techniques de traitement du langage naturel et les algorithmes d'apprentissage automatique, qui analysent divers points de données, tels que les commandes antérieures des utilisateurs, les critiques, les évaluations et l'historique des recherches, afin de fournir des recommandations alimentaires intelligentes et personnalisées.

Mots clés

Systèmes de recommandation, Alimentation, Restaurant, repas, Apprentissage Automatique, Commande de repas

الملخص

أصبحت أنظمة توصية الطعام شائعة بشكل متزايد مع نمو خدمات طلب الطعام والتوصيل عبر الإنترنت. توفر هذه الأنظمة توصيات مخصصة للمستخدمين للمطاعم والأطباق استنادًا إلى تفضيلاتهم الغذائية والقيود الغذائية والسلوك السابق...

تستكشف هذه الأطروحة مقاربات وأساليب مختلفة استخدمت في الأدبيات لتطوير أنظمة توصية الطعام الأكثر فعالية وتخصيصًا. لعب الذكاء الاصطناعي دورًا كبيرًا في ذلك ، حيث توجد خوارزميات مختلفة مثل تقنيات معالجة اللغة الطبيعية وخوارزميات التعلم الآلي ، التي تحلل نقاط البيانات المختلفة ، مثل طلبات المستخدمين السابقة والمراجعات والتقييمات وسجل البحث ، لتوفير توصيات غذائية ذكية ومخصصة.

الكلمات المفتاحية

أنظمة التوصيات، الغذاء، المطعم، الوجبات، التعلم الالي، طلبيات الطعام