

## Bibliography

- [1] A. Yashudas, D. Gupta, G. C. Prashant, A. Dua, D. AlQahtani, and A. S. K. Reddy, "DEEP-CARDIO: Recommendation System for Cardiovascular Disease Prediction using IOT Network," *IEEE Sens J*, 2024, doi: 10.1109/JSEN.2024.3373429.
- [2] D. Mozaffarian *et al.*, "'Food Is Medicine' Strategies for Nutrition Security and Cardiometabolic Health Equity: JACC State-of-the-Art Review," Feb. 27, 2024, *Elsevier Inc.* doi: 10.1016/j.jacc.2023.12.023.
- [3] A. Melese, "Food and Restaurant Recommendation System Using Hybrid Filtering Mechanism," *Monthly Journal by TWASP*, vol. 4, no. 4, pp. 268–281, doi: 10.5281/zenodo.4712849.
- [4] R. Sookrah, J. D. Dhowtal, and S. D. Nagowah, "A DASH diet recommendation system for hypertensive patients using machine learning," in *2019 7th International Conference on Information and Communication Technology, ICoICT 2019*, Institute of Electrical and Electronics Engineers Inc., Jul. 2019. doi: 10.1109/ICoICT.2019.8835323.
- [5] "machine-learning-algorithms.png (550×411)." Accessed: Sep. 27, 2024. [Online]. Available: <https://d2jdgazzki9vjm.cloudfront.net/tutorial/machine-learning/images/machine-learning-algorithms.png>
- [6] L. Igual and S. Seguí, "Supervised Learning," 2017, pp. 67–96. doi: 10.1007/978-3-319-50017-1\_5.
- [7] M. Geetha, C. Saravanakumar, K. Ravikumar, and V. Muthulakshmi, "Human Body Analysis and Diet Recommendation System using Machine Learning Techniques," European Alliance for Innovation n.o., Feb. 2021. doi: 10.4108/eai.16-5-2020.2304203.
- [8] "Supervised Learning in Action: Real-World Applications and Examples - Shiksha Online." Accessed: May 25, 2024. [Online]. Available: <https://www.shiksha.com/online-courses/articles/supervised-learning-real-life-analogy-and-applications/>
- [9] "Unsupervised".

Design and development of Decision Support System to Recommend Nutritious Food for Cardiovascular Patients

- [10] “Reinforcement Learning Algorithms and Applications TechVidvan - Online Store.” Accessed: May 25, 2024. [Online]. Available: [https://litsupervs.best/product\\_details/6403056.html](https://litsupervs.best/product_details/6403056.html)
- [11] Z. Mao, Y. Liu, and X. Qu, “Integrating big data analytics in autonomous driving: An unsupervised hierarchical reinforcement learning approach,” *Transp Res Part C Emerg Technol*, vol. 162, May 2024, doi: 10.1016/j.trc.2024.104606.
- [12] N. Oleksiv, O. Veres, A. Vasyliuk, I. Rishnyak, and L. Chyrun, “Recommendation System for Monitoring the Energy Value of Consumer Food Products Based on Machine Learning.”
- [13] C. Iwendi, S. Khan, J. H. Anajemba, A. K. Bashir, and F. Noor, “Realizing an Efficient IoMT-Assisted Patient Diet Recommendation System Through Machine Learning Model,” *IEEE Access*, vol. 8, pp. 28462–28474, 2020, doi: 10.1109/ACCESS.2020.2968537.
- [14] “Restaurant Recommendation System using Machine Learning,” *International Journal of Advanced Trends in Computer Science and Engineering*, vol. 10, no. 3, pp. 1671–1675, Jun. 2021, doi: 10.30534/ijatcse/2021/261032021.
- [15] Y. G. patel and V. P.Patel, “A Survey on Various Techniques of Recommendation System in Web Mining,” 2015.
- [16] “The system model of a personalized recommendation service. The... | Download Scientific Diagram.” Accessed: May 25, 2024. [Online]. Available: [https://www.researchgate.net/figure/The-system-model-of-a-personalized-recommendation-service-The-recommender-may-adopt\\_fig1\\_323220677](https://www.researchgate.net/figure/The-system-model-of-a-personalized-recommendation-service-The-recommender-may-adopt_fig1_323220677)
- [17] “Non Personalised Recommender System in Python | by Ankur Tomar | Medium.” Accessed: May 25, 2024. [Online]. Available: <https://medium.com/@tomar.ankur287/non-personalised-recommender-system-in-python-42921cd6f971>
- [18] D. Pebrianti, D. Ahmad, L. Bayuaji, L. Wijayanti, and M. Mulyadi, “Using Content-Based Filtering and Apriori for Recommendation Systems in a Smart Shopping System,” *Indonesian Journal of Computing, Engineering, and Design (IJoCED)*, vol. 6, no. 1, pp. 58–70, Apr. 2024, doi: 10.35806/ijoced.v6i1.393.

Design and development of Decision Support System to Recommend Nutritious Food for Cardiovascular Patients

- [19] “Introduction to Collaborative Filtering.” Accessed: May 25, 2024. [Online]. Available: <https://www.analyticsvidhya.com/blog/2022/02/introduction-to-collaborative-filtering/>
- [20] A. D. A. Putra and Z. K. A. Baizal, “Laptop Recommender System Using the Hybrid of Ontology-Based and Collaborative Filtering,” *Jurnal dan Penelitian Teknik Informatika*, vol. 8, no. 2, 2024, doi: 10.33395/v8i2.13370.
- [21] L. Huang *et al.*, “Broad Recommender System: An Efficient Nonlinear Collaborative Filtering Approach,” Apr. 2022, [Online]. Available: <http://arxiv.org/abs/2204.11602>
- [22] “Expert Systems in Artificial Intelligence - Javatpoint.” Accessed: May 25, 2024. [Online]. Available: <https://www.javatpoint.com/expert-systems-in-artificial-intelligence>
- [23] “Recommender Systems For Business - A Gentle Introduction | Width.ai.” Accessed: May 25, 2024. [Online]. Available: <https://www.width.ai/post/recommender-systems-recommendation-systems>
- [24] M. I. Hariyale and M. Raghuvanshi, “International Journal of Computing and Digital Systems Design of an Iterative Method for Enhanced Recommender Systems Incorporating Hybrid Filtering, Matrix Factorization, and Deep Learning with Attention Mechanisms.” [Online]. Available: <http://journals.uob.edu.bh>
- [25] “What is a Product Recommendation Engine and How Does it Work? - Muvi One.” Accessed: May 25, 2024. [Online]. Available: <https://www.muvi.com/blogs/product-recommendation-engine/>
- [26] R. Hasan MBA and J. Ferdous, “Dominance of AI and Machine Learning Techniques in Hybrid Movie Recommendation System Applying Text-to-number Conversion and Cosine Similarity Approaches,” 2024, doi: 10.32996/jcsts.
- [27] R. Golagana, V. Sravani, and T. M. Reddy, “DIET RECOMMENDATION SYSTEM USING MACHINE LEARNING 4 kavitha.chekuri@raghuenggcollege.in\*,” *Dogo Rangsang Research Journal UGC Care Group I Journal*, vol. 13, no. 4, pp. 2347–7180, 2023, doi: 10.36893.DRSR.2023.V13I04.118-125.
- [28] C. Kümmel Duarte, L. de Abreu Silva, P. M. B. de Andrade, T. M. Marcelino Martins, and G. L. de M. Ghisi, “Barriers and facilitators to nutritional recommendations

Design and development of Decision Support System to Recommend Nutritious Food for Cardiovascular Patients

- identified by participants of a cardiovascular rehabilitation program in a low resource context in Brazil,” *Nutrition*, p. 112451, Apr. 2024, doi: 10.1016/j.nut.2024.112451.
- [29] T. K. Le and S. C. Hui, “Machine Learning for Food Review and Recommendation,” Jan. 2022, [Online]. Available: <http://arxiv.org/abs/2201.10978>
- [30] V. A. Pallazola *et al.*, “A Clinician’s Guide to Healthy Eating for Cardiovascular Disease Prevention,” *Mayo Clin Proc Innov Qual Outcomes*, vol. 3, no. 3, pp. 251–267, Sep. 2019, doi: 10.1016/J.MAYOCPIQO.2019.05.001.
- [31] S. Shafiq and I. Shahzadi, “MENTAL HEALTH AND QUALITY OF LIFE IN PATIENTS WITH CARDIOVASCULAR DISEASES: SOCIAL SUPPORT AS MEDIATOR,” *Journal of Postgraduate Medical Institute*, vol. 37, no. 1, doi: 10.54079/jpmi.37.2.3087.
- [32] H. J. Prajapati Scholar and D. B. Rathod, “CARDIOVASCULAR DISEASE DETECTION USING SUPERVISED DECISION TREE CLASSIFIER,” *Journal of Data Acquisition and Processing*, vol. 38, no. 2, p. 4856, doi: 10.5281/zenodo.777577.
- [33] T. Sachin Jaykishor, K. R. Ganvit, K. R. Patel, and N. Kumar Jasvantlal Barot, “Type 2 Diabetes Mellitus and its Impact on Cardiac Autonomic Function and ECG Patterns: A Comparative Study.”
- [34] “Dr.+Rajesh+Sukumar+Roy”.
- [35] V. V. Bhende, S. R. Pathan, T. S. Sharma, A. Kumar, H. P. Majmudar, and V. A. Patel, “Risk factors of sepsis and prevalence of multidrug-resistant organisms in pediatric cardiac surgery in tertiary care teaching rural hospital in India: A retrospective observational study,” *Health Sci Rep*, vol. 6, no. 4, Apr. 2023, doi: 10.1002/hsr2.1191.
- [36] Tamzid Hasan and Nur Islam, “Heart stopped: Assessing cardiac arrest preparedness and response in university environments,” *International Journal of Science and Research Archive*, vol. 8, no. 2, pp. 357–361, Apr. 2023, doi: 10.30574/ijsra.2023.8.2.0275.
- [37] A. Pant *et al.*, “Primary prevention of cardiovascular disease in women with a Mediterranean diet: systematic review and meta-analysis,” Aug. 01, 2023, *BMJ Publishing Group*. doi: 10.1136/heartjnl-2022-321930.

- [38] A. Diab, L. N. Dastmalchi, M. Gulati, and E. D. Michos, “A Heart-Healthy Diet for Cardiovascular Disease Prevention: Where Are We Now?,” 2023, *Dove Medical Press Ltd.* doi: 10.2147/VHRM.S379874.
- [39] F. S. Konstantakopoulos, E. I. Georga, and D. I. Fotiadis, “A Review of Image-Based Food Recognition and Volume Estimation Artificial Intelligence Systems,” *IEEE Rev Biomed Eng*, vol. 17, pp. 136–152, 2024, doi: 10.1109/RBME.2023.3283149.
- [40] C. Colizzi *et al.*, “Adherence to the EAT-Lancet Healthy Reference Diet in Relation to Risk of Cardiovascular Events and Environmental Impact: Results From the EPIC-NL Cohort,” *J Am Heart Assoc*, vol. 12, no. 8, Apr. 2023, doi: 10.1161/JAHA.122.026318.
- [41] Ł. Świątek, J. Jeske, M. Miedziaszczyk, and I. Idasiak-Piechocka, “The impact of a vegetarian diet on chronic kidney disease (CKD) progression – a systematic review,” *BMC Nephrol*, vol. 24, no. 1, Dec. 2023, doi: 10.1186/s12882-023-03233-y.
- [42] K. G. Volpp *et al.*, “Food Is Medicine: A Presidential Advisory from the American Heart Association,” Oct. 31, 2023, *Lippincott Williams and Wilkins*. doi: 10.1161/CIR.0000000000001182.
- [43] J. W. Bi, Y. Liu, and Z. P. Fan, “A deep neural networks based recommendation algorithm using user and item basic data,” *International Journal of Machine Learning and Cybernetics*, vol. 11, no. 4, pp. 763–777, Apr. 2020, doi: 10.1007/s13042-019-00981-y.
- [44] J. Zhu *et al.*, “M-scan: A Multi-Scenario Causal-driven Adaptive Network for Recommendation,” in *Proceedings of the ACM on Web Conference 2024*, New York, NY, USA: ACM, May 2024, pp. 3844–3853. doi: 10.1145/3589334.3645635.
- [45] M. Bayu Samudra Siddik and A. Toto Wibowo, “Collaborative Filtering Based Food Recommendation System Using Matrix Factorization,” vol. 7, no. 3, pp. 1041–1049, 2023, doi: 10.30865/mib.v7i3.6049.
- [46] Y. Wang, X. Li, Y. Liu, X. Cao, X. Meng, and L. Meng, “Causal inference for out-of-distribution recognition via sample balancing,” *CAAI Trans Intell Technol*, 2024, doi: 10.1049/cit2.12311.

Design and development of Decision Support System to Recommend Nutritious Food for Cardiovascular Patients

- [47] N. Prova, S. Hossain, N. Noor, I. Prova, R. Sadik, and A. Al Maruf, “Enhancing Crop Management: Ensemble Machine Learning for Real-Time Crop Recommendation System from Sensor Data”, doi: 10.13140/RG.2.2.33831.36009.
- [48] J. Zhang, “Innovative Food Recommendation Systems: a Machine Learning Approach,” 2023.
- [49] D.-R.-N. Wang and Y. Dong, “Research on Food Fine Grain Image Classification Based on Improved Residual Network,” 2023, doi: 10.21203/rs.3.rs-3377448/v1.
- [50] J. Braga and I. Stiubiener, “FRAMEWORK FOR KNOWLEDGE ACQUISITION, REPRESENTATION AND USAGE, LEARNING AND COLLABORATION BETWEEN AGENTS AND HUMANS IN INTERNET INFRASTRUCTURE DOMAIN TECHNICAL REPORT,” 2024. [Online]. Available: <http://lattes.cnpq.br/4008970012663480>
- [51] A. Rouanet *et al.*, “Bayesian profile regression for clustering analysis involving a longitudinal response and explanatory variables,” *J R Stat Soc Ser C Appl Stat*, vol. 73, no. 2, pp. 314–339, Mar. 2024, doi: 10.1093/jrsssc/qlad097.
- [52] I. Saifudin and T. Widiyaningtyas, “Systematic Literature Review on Recommender System: Approach, Problem, Evaluation Techniques, Datasets,” *IEEE Access*, vol. 12, pp. 19827–19847, 2024, doi: 10.1109/ACCESS.2024.3359274.
- [53] A. Ajami and B. Teimourpour, “A Food Recommender System in Academic Environments Based on Machine Learning Models.”
- [54] S. Jin and L. Zhang, “Research on the Recommendation System of Music e-learning Resources with Blockchain based on Hybrid Deep Learning Model,” *Scalable Computing: Practice and Experience*, vol. 25, no. 3, pp. 1455–1465, Apr. 2024, doi: 10.12694/scpe.v25i3.2672.
- [55] P. B. Pio, “Two Meta-learning approaches for noise filter algorithm recommendation,” *Journal of Information and Data Management*, vol. 15, p. 1, 2024, doi: 10.5753/jidm.2024.3365.
- [56] A. Harshitha, B. Naseeba, N. K. Rao, A. S. Sathwik, and N. P. Challa, “Crop Growth Prediction using Ensemble KNN-LR Model,” *EAI Endorsed Transactions on Internet of Things*, vol. 10, 2024, doi: 10.4108/eetiot.4814.

- [57] M. A. Hosen, S. H. Moz, S. S. Kabir, S. M. Galib, and M. N. Adnan, “Enhancing Thyroid Patient Dietary Management with an Optimized Recommender System based on PSO and K-means,” in *Procedia Computer Science*, Elsevier B.V., 2023, pp. 688–697. doi: 10.1016/j.procs.2023.12.124.
- [58] D. T. Tran and J. H. Huh, “New machine learning model based on the time factor for e-commerce recommendation systems,” *Journal of Supercomputing*, vol. 79, no. 6, pp. 6756–6801, Apr. 2023, doi: 10.1007/s11227-022-04909-2.
- [59] M. Ahmad, A. Ullah Khan, and M. Sajid, “A Diet Recommendation System for Persons with Special Dietary Requirements”, doi: 10.56979/501/2023.
- [60] A. Izbassar and P. Shamoii, “Image-Based Dietary Assessment: A Healthy Eating Plate Estimation System,” Mar. 2024, [Online]. Available: <http://arxiv.org/abs/2403.01310>
- [61] A. M. Saleh and A. Y. Taqa, “A proposed User-Based Approach for eBooks Recommendation Using a Weighted Nearest Neighbor Technique,” *Sinkron*, vol. 8, no. 3, pp. 1316–1325, Jul. 2023, doi: 10.33395/sinkron.v8i3.12441.
- [62] A. N. Merag, R. C. Raka, S. Afroj, M. H. K. Mehedi, and A. A. Rasel, “University Recommendation System for Undergraduate Studies in Bangladesh Using Distributed Machine Learning,” in *Proceedings of the International Conference on Informatics in Control, Automation and Robotics*, Science and Technology Publications, Lda, 2023, pp. 352–358. doi: 10.5220/0012256100003543.
- [63] A. A. Patoulia, A. Kiourtis, A. Mavrogiorgou, and D. Kyriazis, “A Comparative Study of Collaborative Filtering in Product Recommendation,” *Emerging Science Journal*, vol. 7, no. 1, pp. 1–15, Feb. 2023, doi: 10.28991/ESJ-2023-07-01-01.
- [64] R. Manuel Gonçalves da Silva DISSERTATION and A. Paula Rocha, “FACULDADE DE ENGENHARIA DA UNIVERSIDADE DO PORTO Knowledge Graph-Based Recipe Recommendation System,” 2020.
- [65] M. S. Rahman, “Predicting Obesity: A Comparative Analysis of Machine Learning Models Incorporating Different Features,” 2023.
- [66] P. Liu, Y. Cao, Y. Yan, and Y. Wang, “Firmware Vulnerability Detection Algorithm Based on Matching Pattern-Specific Numerical Features With Structural Features,” *IEEE Access*, vol. 12, pp. 42317–42328, 2024, doi: 10.1109/ACCESS.2024.3378533.

Design and development of Decision Support System to Recommend Nutritious Food for Cardiovascular Patients

- [67] K. Shukla, W. Holderbaum, T. Theodoridis, and G. Wei, “Enhancing Gearbox Fault Diagnosis through Advanced Feature Engineering and Data Segmentation Techniques,” *Machines*, vol. 12, no. 4, Apr. 2024, doi: 10.3390/machines12040261.
- [68] S. Daniil, M. Cuper, C. C. S. Liem, J. van Ossenbruggen, and L. Hollink, “Reproducing Popularity Bias in Recommendation: The Effect of Evaluation Strategies,” *ACM Transactions on Recommender Systems*, vol. 2, no. 1, pp. 1–39, Mar. 2024, doi: 10.1145/3637066.
- [69] H.-C. Lee, Y.-S. Kim, and S.-W. Kim, “Real-Time Movie Recommendation: Integrating Persona-Based User Modeling with NMF and Deep Neural Networks,” *Applied Sciences*, vol. 14, no. 3, p. 1014, Jan. 2024, doi: 10.3390/app14031014.
- [70] R. Faleh Mahdi, “Increasing the Effectiveness of Prediction in Recommendation Engines Based on Collaborative Filtering,” *Bilad Alrafidain Journal for Engineering Science and Technology*, vol. 3, no. 1, pp. 47–58, Mar. 2024, doi: 10.56990/bajest/2024.030104.
- [71] Y. Y. Chow, S. C. Haw, P. Naveen, E. A. Anaam, and H. Bin Mahdin, “Food Recommender System: A Review on Techniques, Datasets and Evaluation Metrics,” *Journal of System and Management Sciences*, vol. 13, no. 5, pp. 153–168, 2023, doi: 10.33168/JSMS.2023.0510.
- [72] B. Gangadhara Jack Henry and B. Gangadhara, “A STRATEGY TO ADVOCATE CLOUD MANUFACTURING SERVICE BASED ON THE IMAGINARY CLUSTERING AND IMPROVED SLOPE ONE ALGORITHM International Journal of Multidisciplinary Engineering in Current Research A STRATEGY TO ADVOCATE CLOUD MANUFACTURING SERVICE BASED ON THE IMAGINARY CLUSTERING AND IMPROVED SLOPE ONE ALGORITHM,” vol. 6, no. 9, 2021, [Online]. Available: <http://ijmec.com/>
- [73] N. Khouibiri, Y. Farhaoui, and A. El Allaoui, “Design and Analysis of a Recommendation System Based on Collaborative Filtering Techniques for Big Data,” *Intelligent and Converged Networks*, vol. 4, no. 4, pp. 296–304, Dec. 2023, doi: 10.23919/ICN.2023.0024.
- [74] P. Muthumali, W. Ilmini, and G. Waidyarathna, “NUTRICARE: Optimizing Diet Recommendations Through a Knowledge-Based Approach.”

- [75] Y. Xiang, S. Huo, Y. Wu, Y. Gong, and M. Zhu, “Integrating AI for Enhanced Exploration of Video Recommendation Algorithm via Improved Collaborative Filtering,” vol. 4, p. 2024, 2024, doi: 10.53469/jtpes.2024.04(02).12.
- [76] M. N. Jasim and A. B. Hamid, “Food recommendation system based on nutritional needs of human beings and user preferences,” *Int J Health Sci (Qassim)*, pp. 4025–4038, Jun. 2022, doi: 10.53730/ijhs.v6ns4.9031.
- [77] N. Siregar, “Implementation of Collaborative Filtering Algorithms in Mobile-Based Food Menu Ordering and Recommendation Systems,” vol. 7, no. 3, pp. 1162–1170, 2023, doi: 10.30865/mib.v7i3.6387.
- [78] M. Nugraha Mahardhika, F. Rahayu, and A. Zuchriadi, “Product Recommendation System Using Implicit Feedback Based on Collaborative Filtering in E-Commerce.”
- [79] H. Geng, W. Peng, X. G. Shan, and C. Song, “A hybrid recommendation algorithm for green food based on review text and review time,” *CYTA - Journal of Food*, vol. 21, no. 1, pp. 481–492, 2023, doi: 10.1080/19476337.2023.2215844.
- [80] L. Krishna Reddy, H. Vaghela, and D. Krishna Reddy Hansa Waghela, “EasyChair Preprint Music Recommendation System Using Machine Learning Music Recommendation System Using Machine Learning,” 2024.
- [81] J. Sung, K. Kwon, and B. Song, “Design of a Recommendation System for Improving Deep Neural Network Performance ☆,” *Journal of Internet Computing and Services*, vol. 2024, no. 1, pp. 49–56, doi: 10.7472/jksii.2024.25.1.49.
- [82] K. Vani and K. Latha Maheswari, “Novel Nutritional Recipe Recommendation,” *Journal of Information Technology and Digital World*, vol. 5, no. 1, pp. 1–12, Feb. 2023, doi: 10.36548/jitdw.2023.1.001.
- [83] A. Gupta and P. Shrinath, “Link Prediction based on bipartite graph for recommendation system using optimized SVD++,” in *Procedia Computer Science*, Elsevier B.V., 2022, pp. 1353–1365. doi: 10.1016/j.procs.2023.01.114.
- [84] M. H. Hussein, A. A. Alsakaa, and H. A. Marhoon, “Adopting explicit and implicit social relations by SVD++ for recommendation system improvement,” *Telkonnika (Telecommunication Computing Electronics and Control)*, vol. 19, no. 2, pp. 471–478, Apr. 2021, doi: 10.12928/TELKOMNIKA.v19i2.18149.

Design and development of Decision Support System to Recommend Nutritious Food for Cardiovascular Patients

- [85] A. M. A. Al-Sabaawi, H. Karacan, and Y. E. Yenice, "Svd++ and clustering approaches to alleviating the cold-start problem for recommendation systems," *International Journal of Innovative Computing, Information and Control*, vol. 17, no. 2, pp. 383–396, 2021, doi: 10.24507/ijicic.17.02.383.
- [86] M. Jallouli, S. Lajmi, and I. Amous, "When contextual information meets recommender systems: extended SVD++ models," *International Journal of Computers and Applications*, vol. 44, no. 4, pp. 349–356, 2022, doi: 10.1080/1206212X.2020.1752971.
- [87] M. Raheem, N. Fathima Abubacker, and D. Wiyani, "SENTIMENT-BASED RECOMMENDATION FOR ONLINE SHOPPING," *J Theor Appl Inf Technol*, vol. 15, no. 9, 2024, [Online]. Available: [www.jatit.org](http://www.jatit.org)
- [88] A. Rostami, R. Jain, and A. M. Rahmani, "Food Recommendation as Language Processing (F-RLP): A Personalized and Contextual Paradigm," Feb. 2024, [Online]. Available: <http://arxiv.org/abs/2402.07477>
- [89] H. Imantho *et al.*, "An Intelligent Food Recommendation System for Dine-in Customers with Non-Communicable Diseases History," *Jurnal Keteknikaan Pertanian*, vol. 12, no. 1, pp. 140–152, Apr. 2024, doi: 10.19028/jtep.012.1.140-152.
- [90] A. Achuthan, S. H. Yii, and A. F. M. A. Alkhafaji, "MyPlate: A Diet Monitoring and Recommender Application," *Malaysian Journal of Medicine and Health Sciences*, vol. 20, no. 2, pp. 196–203, Mar. 2024, doi: 10.47836/mjmhs.20.2.26.
- [91] G. Dhiman, G. Gupta, and B. K. Sidhu, "International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING A Review and Research Panorama on Food Recommender System Based on Health Care." [Online]. Available: [www.ijisae.org](http://www.ijisae.org)
- [92] A. Sun, "Beyond Collaborative Filtering: A Relook at Task Formulation in Recommender Systems," Apr. 2024, [Online]. Available: <http://arxiv.org/abs/2404.13375>
- [93] L. Zhang, Y. Zhang, X. Zhou, and Z. Shen, "GreenRec: A Large-Scale Dataset for Green Food Recommendation," in *Companion Proceedings of the ACM on Web*

Design and development of Decision Support System to Recommend Nutritious Food for Cardiovascular Patients

*Conference 2024*, New York, NY, USA: ACM, May 2024, pp. 625–628. doi: 10.1145/3589335.3651516.

- [94] A. Chameera Walpitage, “F ACU LTY OF INFOR MATION TECHN OLOGY AND ELECTRICAL ENGINEERING A Food recipe recommendation system based on nutritional factors in the Finnish food community,” 2023.
- [95] Y. Liu, P. Achananuparp, and E.-P. Lim, “Non-binary Evaluation of Next-basket Food Recommendation,” 2022, doi: 10.21203/rs.3.rs-1839468/v1.
- [96] “Medical and health information | MedicalNewsToday.” Accessed: Jun. 21, 2024. [Online]. Available: <https://www.medicalnewstoday.com/>
- [97] N. Mehta and H. Thaker, “Data Collection for a Machine Learning Model to Suggest Gujarati Recipes to Cardiac Patients Using Gujarati Food and Fruit with Nutritive Values,” *Smart Innovation, Systems and Technologies*, vol. 361, pp. 271–281, 2023, doi: 10.1007/978-981-99-3982-4\_24.