Review of: "Enhancing Food Type Recognition: A Comprehensive Study on Sequential Convolutional Neural Networks for Image Classification Accuracy"

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Evaluation: MAJOR REVISION

Dear Editor, please send the research for evaluation again after modifications are corrected by the author

<u>**Main notes:**</u>

The paper introduces a novel CNN architecture designed specifically for food recognition. The abstract provides a succinct overview of the research, emphasizing the development of a novel CNN architecture named "sequential_2" for food classification. It effectively communicates the main achievements, such as the accuracy of 89.84% on the Food-101 dataset, and outlines the broader implications of this work, such as automating food attribute determination and nutrient extraction. The introduction appropriately sets the stage by highlighting the challenges in food identification due to the diversity and complexity of food items, and the potential of CNNs to address these challenges.

-Areas for Improvement

- **Comparison with Existing Methods:** A comparative analysis with other state-of-the-art models in food recognition would strengthen the evaluation.
- **Dataset Description:** While the Food-101 dataset is mentioned, more detail about its characteristics (e.g., image quality, variations) would provide better context.

-Overall, the paper presents a well-conceived and executed study on enhancing food recognition using a novel CNN architecture. It demonstrates a thorough understanding of the challenges in food classification and offers a promising solution. Future work could focus on refining the model, expanding the dataset, and exploring additional applications.