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Veggie-Vibe

Asst. Prof. Shubhangi Kshirsagar[1], Nitesh Lad[2], Onkar Jadhav[3], Mahesh Sumb[4], Tanmay Shingote[5]
Assistant Professor, Department of Computer Engineering[1]
Students, Department of Computer Engineering[2,3,4,5]
D. Y. Patil College of Engineering and Innovation, Pune, MH, India

Abstract: *The Organic Vegetable Portal is a comprehensive digital platform designed to foster the growth and accessibility of organic farming by connecting consumers, local farmers, and other stakeholders in the organic food ecosystem. This innovative platform serves as a marketplace for organic vegetables, allowing consumers to easily purchase fresh produce directly from trusted local farmers. It not only promotes the consumption of organic food by offering easy access to high-quality, sustainably grown vegetables but also educates users on the benefits of organic agriculture and its positive impact on both personal health and the environment.*

Keywords: Organic Food, Marketplace, Sustainable Agriculture, Digital Platform, Consumer Engagement

I. INTRODUCTION

In today's fast-paced world, maintaining a healthy diet is becoming increasingly difficult as processed foods dominate grocery store shelves. However, organic vegetables—grown without synthetic pesticides or fertilizers—offer a healthier and more sustainable alternative. The Organic Vegetable Portal emerges as an essential tool for promoting organic food consumption and connecting consumers with local organic producers. By facilitating easier access to fresh, organic vegetables, this platform aims to empower individuals to make informed, health-conscious choices that benefit both their well-being and the environment. This portal will serve as a digital space for farmers, consumers, and educators to share resources, discover new organic products, and engage in discussions about sustainable food practices.

II. LITERATURE REVIEW

YEAR	AUTHOR(S)	DESCRIPTION
2020	Green, R. M., & Foster, K. J.	"The Impact of Organic Farming on Health and the Environment" - Explores the benefits of organic farming on health and the environment.
2019	Walker, L., & Johnson, S. B.	"Consumer Preferences for Organic Food: A Global Review" - Examines factors driving consumer choices in organic food.
2018	Patel, R., & Singh, M.	"Challenges and Opportunities in Organic Farming" - Discusses challenges and potential for growth in organic farming.
2021	Harris, C., & Roberts, L.	"The Role of Technology in Promoting Organic Agriculture" - Investigates how technology supports organic farming.
2022	Bennett, M., & Zhang, D.	"Consumer Engagement with Online Organic Food Platforms: A Case Study" - Evaluates the effectiveness of online platforms in organic food markets.

III. PROPOSED SYSTEM

The Organic Vegetable Portal aims to support the organic food sector through a user-friendly digital platform offering the following features:

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Personalized Vegetable Marketplace:
A digital marketplace allowing consumers to purchase fresh organic vegetables directly from local farmers with options to filter by type, price, and location.

Educational Resources on Organic Farming:
Providing articles, videos, and webinars on sustainable farming and its benefits.

Real-Time Farm-to-Consumer Tracking:
Enabling consumers to trace their food's journey, ensuring transparency.

Community Engagement and Forum:
Discussion forums for users to share experiences and participate in virtual events.

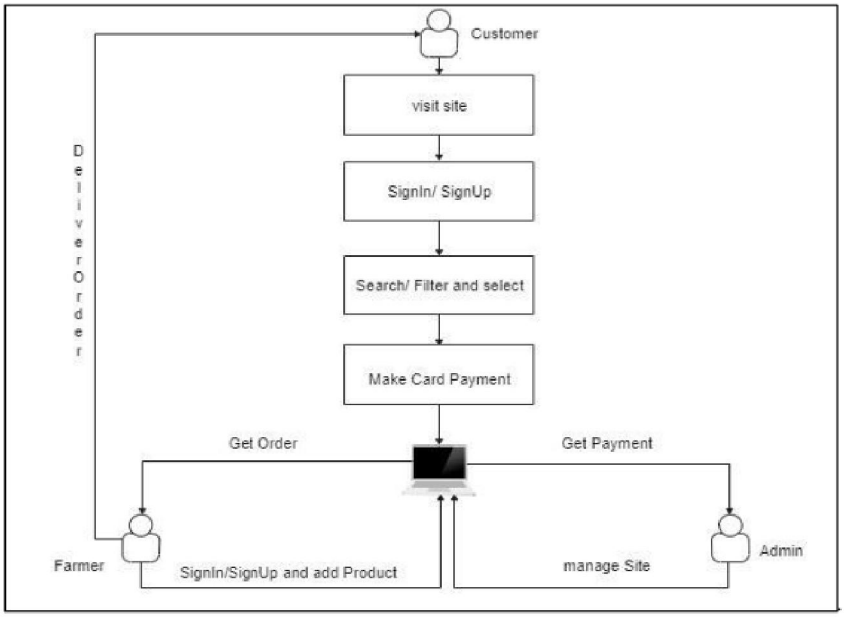
Subscription and Delivery Services:
Weekly or monthly vegetable subscription packages for home delivery or pick-up.

Integration with Organic Certification Support:
Offering resources for organic certification and connecting farmers with support organizations.

Health and Wellness Tips:
Offering meal recipes, nutritional information, and tips for healthy living.

Sustainability and Environmental Impact Reporting:
Tracking environmental impact, including carbon footprint, water usage, and pesticide exposure.

IV. WORKING



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V. EXPERIMENTAL RESULT

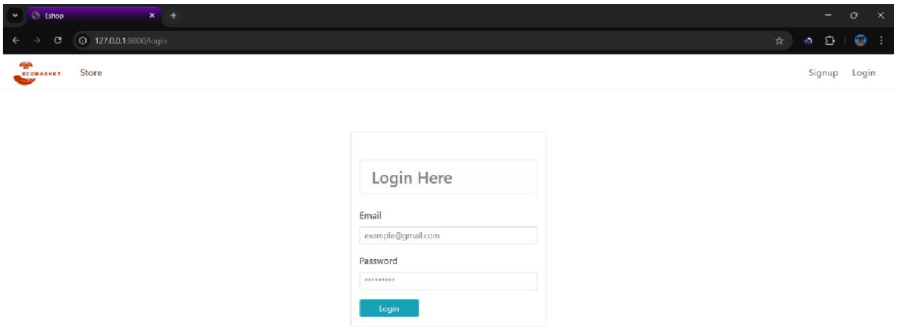

Fig. 1. Login Page

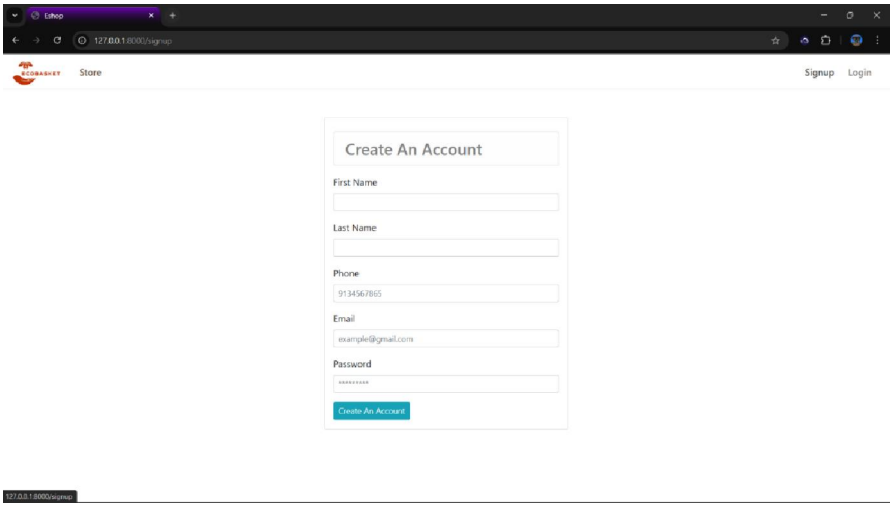

Fig. 2. Sign Up Page

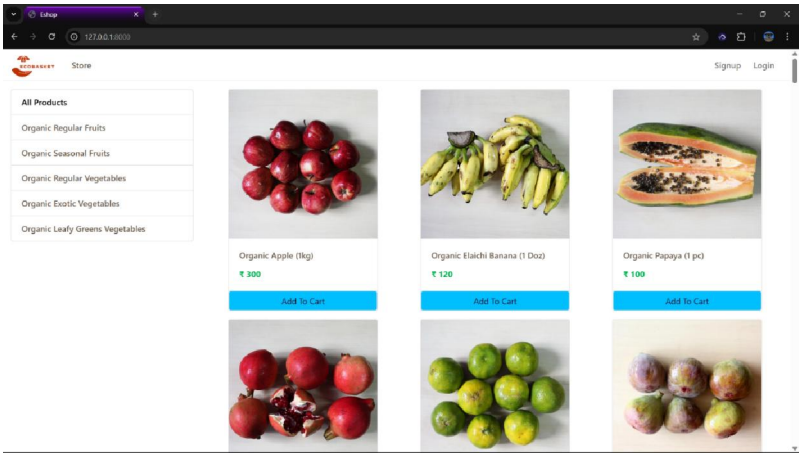

Fig. 3. Homepage of Portal

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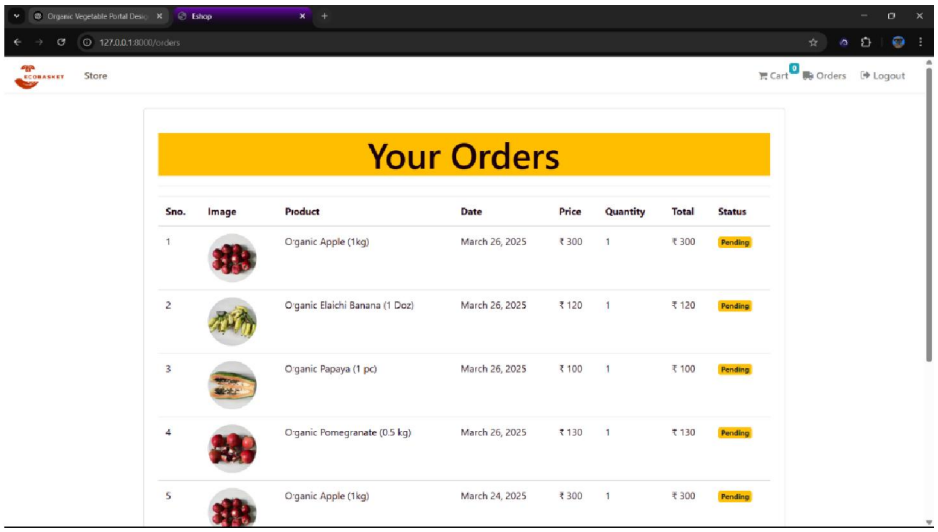

Fig. 4. Orders page

VI. CONCLUSION

The Organic Vegetable Portal serves as an innovative solution to connect consumers with local organic farmers, promoting sustainable agricultural practices while providing access to high-quality organic produce. With continued development, the platform can grow and expand its impact, fostering a more sustainable, health-conscious food system.

VII. ACKNOWLEDGMENT

We would like to express our sincere gratitude to all those who have contributed to the development of the Organic Vegetable Portal project. Special thanks to the faculty members of the Department of Computer Engineering at D. Y. Patil College of Engineering and Innovation for their invaluable support and guidance throughout the project.

We also wish to acknowledge the efforts of the local organic farmers and stakeholders whose collaboration has made this project a reality. Their dedication to sustainable farming practices has been an inspiration.

Additionally, we are grateful to the various organizations and experts in the field of organic agriculture whose work has informed and shaped this platform.

Lastly, our families and friends deserve our heartfelt thanks for their continued encouragement and understanding.

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