**VOICE BASED FOOD ORDERING SYSTEM**

A MINI PROJECT REPORT SUBMITTED TO THE BHARATHIAR UNIVERSITY IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR

THE AWARD OF THE DEGREE OF

**MASTER OF COMPUTER APPLICATIONS**

Submitted by

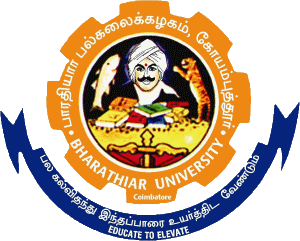
**NANDHAKUMAR S**

**(Reg. No: 22CSEA19)**

**Under the guidance of**

**Dr. S. GAVASKAR, MCA., Ph.D.,**

**Assistant Professor**



**DEPARTMENT OF COMPUTER APPLICATIONS**

**BHARATHIAR UNIVERSITY**

**COIMBATORE-641046.**

**DECEMBER - 2023**

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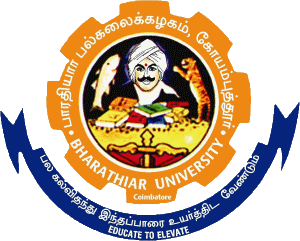
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**CERTIFICATE**

This is to certify that, this mini project work entitled “**VOICE BASED FOOD ORDERING SYSTEM”** was submitted to the Department of Computer Applications, Bharathiar University inpartial fulfillment of the requirements for the award of the degree of **MASTER OF COMPUTER APPLICATIONS**, is arecord of original work done by **NANDHAKUMAR S (22CSEA19),** during his period of study in theDepartment of Computer Applications, Bharathiar University, Coimbatore, under my supervision andguidance, and this project work has not formed the basis for the award of any Degree/ Diploma/Associateship/ Fellowship or similar title to any candidate of any University.

**Place: Coimbatore**

**Date:**

**Project Guide Head of the Department**

Submitted for the University Viva-Voce Examination held on **\_\_\_\_\_\_\_\_\_\_\_**

**Internal Examiner External Examiner**

**DECLARATION**

I hereby declare that this mini project work titled, “**VOICE BASED FOOD ORDERING SYSTEM**” submitted to Department of Computer Applications, Bharathiar University, is arecord of original work done by **NANDHAKUMAR S (22CSEA19)**, under the supervision and guidance of **Dr. S. GAVASKAR, MCA., Ph.D.,** Professor Department of Computer Applications, BharathiarUniversity, and that this project work has not formed the basis for the award of any Degree/ Diploma/Associateship/ Fellowship or similar title to any candidate of any University.

Place: Coimbatore Signature of the candidate

Date: (NANDHAKUMAR S)

**ACKNOWLEDGEMENT**

I have taken efforts in this project. However, it would not have been possible without the kind support and help of many individuals and organizations. I would like to extend my sincere thanks to all of them.

I express my sincere gratitude to our Professor & Head of the Department **Dr.M.PUNITHAVALLI, M.Sc., M.Phil., Ph.D.,** Department of Computer Application, Bharathiar University, Coimbatore, thanks to department faculty members and guest faculties supported to acquire knowledge from various inputs. I am forever indebted to this mini project guides **Dr. S. Gavaskar., M.C.A., Ph.D.,** Department of Computer Applications, Bharathiar University for providing valuable suggestions and always been enthusiastically guiding us throughout the project.

Finally, I also extend my special thanks to my family, friends, who have kindly provided the necessary support for the successful completion of the project and their moral support.

**ABSTRACT**

The Voice-Based Food Ordering System (VFOS) presents an innovative solution leveraging voice technology to simplify the process of ordering food. Operating seamlessly across various devices, including mobile phones, smart speakers, and virtual assistants, VFOS enables users to effortlessly place orders, customize meals, and confirm transactions using natural speech. This system prioritizes convenience, offering hands-free ordering for situations where manual input is impractical, such as while driving or multitasking. Moreover, VFOS ensures inclusivity, catering to users with disabilities by providing an accessible ordering platform.

Powered by advanced speech recognition and machine learning capabilities, VFOS efficiently manages orders and seamlessly integrates with existing food delivery platforms and restaurant systems. Stringent security measures, including robust encryption and secure payment gateways, fortify user data protection and transaction security.

In conclusion, the Voice-Based Food Ordering System represents a significant leap in food service technology, delivering an intuitive, accessible, and secure platform. It significantly enhances user experiences, promising a convenient and efficient approach to engage with food services, while redefining interactions with food ordering systems.