

DEVELOPMENT OF A MOVIE RECOMMENDATION SYSTEM USING COLLABORATIVE FILTERING

BY

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DEGREE IN COMPUTER SCIENCE

[MONTH, YEAR]

CERTIFICATION

This is to certify that this research project titled "Development of a Movie Recommendation System Using Collaborative Filtering" was carried out by [STUDENT'S FULL NAME], and has been read and approved as meeting the regulations governing the award of the degree of Bachelor of Science (B.Sc.) of the University of Lagos.

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Date

HEAD OF DEPARTMENT

Date

EXTERNAL EXAMINER

Date

DEDICATION

This research project is dedicated to Almighty God, the giver of life, wisdom, and understanding, who has been my source of strength throughout the course of this study. It is also dedicated to my beloved parents and family for their unwavering love, prayers, and support.

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ABSTRACT

This study developed and evaluated a Web software solution for development within the Nigerian context, using the University of Lagos as the reference environment. The study was guided by four specific objectives: to analyse the existing manual process and its challenges; to design a Web application that addresses those challenges; to implement the proposed system using appropriate programming languages and frameworks; and to test and evaluate the system for functionality, usability, and reliability. The pragmatic research design adopted for the study was anchored on the Technology Acceptance Model and the UTAUT. A total of 72 users were purposively selected for the usability evaluation, out of which 62 responses were found valid for analysis. Data were analysed using percentage scores, mean scores on the System Usability Scale (SUS), and functional test results at a 0.05 level of significance. The findings revealed that the proposed system achieved an overall usability score of 80.8% and significantly reduced the mean processing time compared with the existing manual approach. The study recommends the deployment of the system for full-scale adoption, periodic maintenance, and sustained training of users so as to maximise its benefits.

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CHAPTER ONE: INTRODUCTION

1.1 Background to the Study

The study of development of a movie recommendation system using collaborative filtering is situated within a body of scholarship that has grown rapidly in the past two decades. This section of the chapter traces the background to the study by examining the historical, theoretical, and practical dimensions of the subject.

The relationship between development and movie has been the subject of sustained academic interest across several disciplines. Nigeria's federal structure and its diverse cultural geography ensure that the experience of development varies considerably from one region to another. Evidence assembled by Adeniyi and Ibrahim (2015) across twelve states underscored the heterogeneity of outcomes linked to development. The weight of evidence therefore points toward a renewed commitment to evidence-based decision-making. Findings reported by Ekwueme and Bello (2018) observed that respondents with greater exposure to development recorded markedly different results. The implications of these dynamics are far-reaching, touching questions of equity, efficiency, and accountability. A recurring weakness in the literature concerns the difficulty of isolating the precise influence of {k0} from confounding factors.

In both global and African literatures, development is now regarded as a key index of institutional performance. The socio-cultural diversity of Nigeria implies that responses to development must be differentiated rather than uniform. Studies by Chukwu and Ekwueme (2019) largely support the view that development exerts a measurable influence on outcomes of interest. Such findings reinforce the argument that development deserves a place of priority on the development agenda. An examination by Bamgbose and Oyelaran (2019) attributed much of the observed variation in outcomes to institutional capacity and policy continuity. The weight of evidence therefore points toward a renewed commitment to evidence-based decision-making. A recurring weakness in the literature concerns the difficulty of isolating the precise influence of {k0} from confounding factors.

development occupies a prominent position in contemporary debates about movie and national development. Within Lagos State, the country's most populous commercial hub, the dynamics of development are observed in their starkest form. Studies conducted within the West African subregion by Bamgbose and Oyelaran (2018) reached conclusions broadly consistent with the Nigerian evidence. Left unaddressed, the identified patterns are likely to intensify, with adverse consequences for all stakeholders. Studies conducted within the West African subregion by Adebayo and Nnamdi (2018) reached conclusions broadly consistent with the Nigerian evidence. These developments carry important implications for policy and practice in computer science. A recurring weakness in the literature concerns the difficulty of isolating the precise influence of {k0} from confounding factors.

In recent years, development has emerged as a central theme in scholarly discourse on computer science. Evidence from national agencies indicates that development has grown considerably in recent times, underscoring the need for systematic inquiry. Evidence assembled by Salami and Osinachi (2015) across