



FINAL YEAR PROJECT REPORT

**MERIT BASED PROMOTION
RECOMMENDATION SYSTEM**

**In fulfillment of the requirement
For degree of
BS (COMPUTER SCIENCES)**

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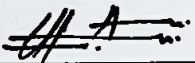
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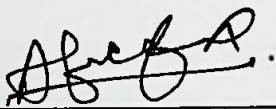
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We hereby declare that this project report is based on our original work except for citations and quotations which have been duly acknowledged. We also declare that it has not been previously and concurrently submitted for any other degree or award at Bahria University or other institutions.

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We would like to thank everyone who had contributed in the success of completion of this project. We would like to express my gratitude to my research supervisor, Miss Afeefa, for her valuable advice, guidance and her constant patience throughout the completion of this project.

Specially dedicated to
my beloved grandmother, mother, and father

(Mir Musahib)

my beloved grandmother, mother, and father

(Afeefa)

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EMPLOYEE PROMOTION RECOMMENDATION SYSTEM

ABSTRACT

With the number of mobile applications available rapidly rising, users must exert considerable effort to identify applications of interest. The goal of this thesis is to look at how to make suggestions to users to help them find new desktop or mobile applications. The next step is to construct a proof-of-concept system. The thesis's work is separated into three phases, with the first phase's goal being to research similar work and related systems in order to pinpoint intriguing concepts and features. A prototype system is created and put into use in the second phase. The third and last step then evaluates and analyses the end and result of the preceding two phases. A desktop application of an employee recommendation predictor built using machine learning models has been developed. The system will accurately determine an employee's qualifying status for promotion. This Merit Based Promotion Recommendation System software can be used to assist a firm department when the number of employees surpasses a significant level. It will help HR navigate through vast databases and catalogues, our recommendation system will suggest the deserving candidates for advancement. By filtering and recommending pertinent items while taking into account or assuming the preferences of the users (i.e., experience, talents, or qualification) based on these goals for merit-based promotion recommendation. This recommender system is based on computer-based methods that can be used in numerous HR departments of organizations to effectively give personalized services.

TABLE OF CONTENTS

DECLARATION	ii
APPROVAL FOR SUBMISSION	iii
ACKNOWLEDGEMENTS	vi
ABSTRACT	vii
TABLE OF CONTENTS	viii
LIST OF TABLES	x
LIST OF FIGURES	xi

CHAPTER

1	INTRODUCTION	1
1.1	Background	1
1.2	Problem Statement	2
1.3	Aims and Objectives	2
1.4	Scope of Project	3
2	LITERATURE REVIEW	4
2.1	Recommendation Systems	4
	2.1.1 Commercial System	5
	2.1.2 Academic Research Recommender Systems	6
2.2	Different Approaches to Recommender Systems	7
2.3	Related Work	9
2.4	Mobile Recommendation Systems	10
	2.4.1 Appazaar	10
	2.4.2 AppAware	11
	2.4.3 Appsaurus	11
	2.4.4 AppStore	13
	2.4.5 Appsfire	13
	2.4.6 AppSpace	14

3	REQUIREMENT SPECIFICATIONS	17
3.1	Tools and language used	17
4	DESIGN AND METHODOLOGY	16
4.1	Design of GUI	16
4.2	Dataset	17
4.3	Methodology	18
4.4	Interpretation of Python Code Testing	19
4.5	Components of the Proposed Recommender System	19
4.6	Working	20
4.7	Flow of Application	21
	SYSTEM IMPLEMENTATION	22
5.1	Module Development	22
5.2	Graphical User Interface.	22
6	SYSTEM TESTING AND EVALUATION	25
6.1	Testing and Evaluation	25
6.1.1	Test Plan	25
6.1.2	Testing Modules	26
6.1.3	Testing Scope	27
6.2	Test Cases	28
6.2.1	Test Case 1:	28
6.2.2	Test Case 2:	28
6.2.3	Test Case 3:	29
6.2.4	Test Case for Admin	29
6.2.5	Test Case for Selection of Model	31
6.2.6	Test Case for Uploading Data	32
7	CONCLUSION	34
7.1	Conclusion	34
7.2	Future Work	35
	REFERENCES	37