A

Mini Project On

#### Movie Recommendation System with Collaborative Filtering using KNN

(Submitted in partial fulfillment of the requirements for the award of Degree)

BACHELOR OF TECHNOLOGY

In

COMPUTER SCIENCE AND ENGINEERING

By

SANTHOSH KUMAR KARAMTHOT (197R1A0520)

RUCHITHA KEERTHI (207R5A0505)

NEELIMA KURUMULA (207R5A0502)

Under the Guidance of

**Dr Punyaban Patel**

(Professor)

##### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**CMR TECHNICAL CAMPUS UGC AUTONOMOUS**

(Accredited by NAAC, NBA, Permanently Affiliated to JNTUH, Approved by AICTE, New Delhi) Recognized Under Section 2(f) & 12(B) of the UGCAct.1956, Kandlakoya (V), Medchal Road, Hyderabad-501401.

**2019-2023**

 **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

#### CERTIFICATE

This is to certify that the project entitled **“MOVIE RECOMMENDATION SYSTEM WITH COLLABORATIVE FILTERING USING KNN”** being submitted by **SANTHOSH KUMAR KARAMTHOT (197R1A0520), RUCHITHA KEERTHI (207R5A0505) & NEELLIMA KURUMULA (207R5A0502)** in partial fulfillment of the requirements for the award of the degree of B.Tech in Computer Science and Engineering to the Jawaharlal Nehru Technological University Hyderabad, is a record of bonafide work carried out by them under our guidance and supervision during the year 2022-23.

The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

**Dr. Punyaban Patel Dr. A. Raji Reddy**

(Professor) DIRECTOR

INTERNAL GUIDE

**Dr. K. Srujan Raju EXTERNAL EXAMINER**

HOD

**Submitted for viva voice Examination held \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

##### ACKNOWLEDGEMENT

Apart from the efforts of us, the success of any project depends largely on the encouragement and guidelines of many others. We take this opportunity to express our gratitude to the people who have been instrumental in the successful completion of this project.

We take this opportunity to express my profound gratitude and deep regard to my guide **Dr. Punyaban Patel,** Associate Professor for his exemplary guidance, monitoring and constant encouragement throughout the project work. The blessing, help and guidance given by him shall carry us a long way in the journey of life on which we are about to embark.

We also take this opportunity to express a deep sense of gratitude to the Project Review Committee (PRC) **Dr. Punyaban Patel, Ms. Shilpa, Dr.M . Subha Mastan Rao & J. Narasimharao** for their cordial support, valuable information and guidance, which helped us in completing this task through various stages.

We are also thankful to **Dr. K. Srujan Raju,** Head, Department of Computer Science and Engineering for providing encouragement and support for completing this project successfully.

We are obliged to **Dr. A. Raji Reddy,** Director for being cooperative throughout the course of this project. We also express our sincere gratitude to Sri. **Ch. Gopal Reddy,** Chairman for providing excellent infrastructure and a nice atmosphere throughout the course of this project.

The guidance and support received from all the members of **CMR Technical Campus** who contributed to the completion of the project. We are grateful for their constant support and help.

Finally, we would like to take this opportunity to thank our family for their constant encouragement, without which this assignment would not be completed. We sincerely acknowledge and thank all those who gave support directly and indirectly in the completion of this project.

###### SANTHOSH KUMAR KARAMTHOT (197R1A0520)

**RUCHITHA KEERTHI (207R5A0505)**

**NEELIMA KURUMULA (207R5A0502)**