

## **DECLARATION**

**“I, N VEERENDRA REDDY”,** declare that the M.TECH dissertation work entitled **“LEARNING AUTOMATA BASED SENTIMENT ANALYSIS FOR RECOMMENDER SYSTEM ON CLOUD”** submitted to Department of Computer Science and Engineering, Sri Venkateswara University College of Engineering, Sri Venkateswara University, Tirupati in partial fulfilment of requirements for the award of the degree of **MASTER OF TECHNOLOGY**. This dissertation contains no material that has been submitted previously, in whole or in part, for the award any other academic degree or diploma. Except where otherwise indicated, this dissertation work is my own work”.

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## ACKNOWLEDGEMENT

First and foremost, I would like to express my sincere gratitude to my supervisor **Dr.M.HUMERA KHANAM**, Associate Professor, Department of Computer Science and Engineering, Sri Venkateswara University College of Engineering, SVU, Tirupati, for her immense help, guidance, stimulating suggestions and encouragement all the time with this dissertation work. She always provided me motivating and enthusiastic atmosphere to work with, it was a great pleasure to do this thesis under her supervision.

I am deeply obliged to **Dr.M.HUMERA KHANAM**, Head, Department of Computer Science and Engineering, S V University College of Engineering, for her constant help, encouragement and timely advice.

I acknowledge my sincere thanks to **Prof.G.PADMANABHAN**, Principal of S.V. University College of Engineering, SVU, Tirupati, for his kind cooperation in making this dissertation work a success.

I acknowledge my special thanks to all the faculty members of Department of Computer Science and Engineering, SVUCE, SVU, Tirupati, for their kind cooperation in making this dissertation work a success.

A project work of this magnitude is not possible without the help of several people, directly or indirectly. I take this as opportunity to thank all those magnanimous persons who rendered their full support to my work.

I would like to express my thanks to my parents, **N SREENIVAS REDDY and N SARASWATHI**, and brother **N V PRASAD REDDY** for their continued support & encouragement through the ups & downs encountered on the path to completing this dissertation work.

Finally I am very thankful to my friends who helped a lot while conducting the experiments.

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## **ABSTRACT**

The development of personalized recommendation systems has been an interesting research topic after the rapid evolution in social networking sites. In this paper, we propose a recommendation system using Learning Automata (LA) and sentiment analysis. LA is used to optimize the recommendation score produced by the proposed system using sentiment analysis. The proposed Learning Automata-Based Sentiment Analysis System (LASA) recommends the places nearby the current location of the users by analyzing the feedback from the places and thus calculating the score based on it. Experiments performed by us indicate that by using LA, we can improve the performance of the proposed system, and, thus, help a user to find a specific location according to the need.