SENTIMENT ANALYSIS OF TWITTER DATA

A PROJECT REPORT

Submitted by

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in partial fulfillment for the award of the degree

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BONAFIDE CERTIFICATE

Certified that this project report "**SENTIMENT ANALYSIS OF TWITTER DATA**" is the bonafide work of **Mr. SUTHAKARAN M (810015104094)** and **Mr. MOHAMED RIYAZ FAROOK J (810015104721)** who carried out Project work under my supervision.

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DECLARATION

We hereby declare that the work entitled "**SENTIMENT ANALYSIS OF TWITTER DATA**" is submitted in partial fulfillment of the requirements for the award of the degree in B.E.-Computer Science and Engineering, University College of Engineering, BIT Campus, Tiruchirappalli, is a record of our own work carried out by us during the academic year 2018-2019 under the guidance of **Dr. I.SHAHANAZ BEGUM,** Assistant Professor, Department of Computer Science and Engineering, University College of Engineering, BIT Campus, Tiruchirappalli. The extent and source of information are derived from the existing literature and have been indicated through the dissertation at the appropriate places. The matter embodied in this work is original and has not been submitted for the award of any other Degree, either in this or any other University.

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I certify that the declaration made above by the candidate is true.

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ABSTRACT

The average of customer ratings on a product, which call a reputation, is one of the key factors in online purchasing decisions. The trustworthiness of a reputation is important since it can be manipulated rather easily. False reputation has to be handled the problem of a reputation being manipulated by unfair ratings and Designing a general framework that provides trustworthy reputations. As e-commerce is growing and becoming popular day-by-day, the number of reviews received from customer about the product grows rapidly. This creates difficulty for the potential customer to read them and to make a decision whether to buy or not the product. Problems also arise for the manufacturer of the product to keep track and to manage customer opinions. And also additional difficulties are faced by the manufacturer because many other merchants sites may sell the same product at good ratings and the manufacturer normally produces many kinds of products. So, many fake reviews posted on that product to increasing the sales of one product. In this work manipulated reviews and false reputation are identified. In this work, this problem is overcome. Here, the fake reviews are found out through the decision tree using CUMSUM algorithm and also detect the false reputation through computing the confidence of rating based on user activity, user objectivity, user consistency.

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LIST OF ABBREVIATIONS

DBMS	Database Management System
KDD	Knowledge Discovery in Database
ICF	Iterative Computation Framework
EWGA	Entropy Weighted Genetic Algorithm
SCL	Structural Correspondence learning
UML	Unified Modelling Language
DFD	Data Flow Diagram
HCL	Hardware Compatibility List
JVM	Java Virtual Machine
JIT	Just-in-time