PROFILING ONLINE SOCIAL BEHAVIORS FOR COMPROMISED ACCOUNT DETECTION

Suyesh Shingare[1]   Suraj Yadav[2]   Rinki Vishwakarma[3]   Vaishali Yeole[4]

[1]Engineering Student, [2]Engineering Student, [3]Engineering Student, [4]Assistant Professor

[1]Computer Engineering Department,

[1]K. C. College of Engineering and Management Studies and Research, Mumbai, India

Abstract: Account compromization is a serious issue to users of Online Social Networks(OSN). while spam accounts establishes the trust between account owners and their friends to spread malicious spam. Detecting compromised accounts is not easy due to trust relationships between the providers , account owners and their friends.In this paper, we study the activities and behavior of the OSN users, i.e.,by usage of OSN services.with more than one billion users worldwide,OSN is a new venue of innovation with many   problems. We capture the user behavior by observing for how long user connects and what activities they do. we evaluate the capability of the social behavior profiles in distinguishing different OSN users, and our experimental results shows the social behavioral profile can accurately differentiate individual OSN user and detects compromised account.

IndexTerms – **Naïve bayes algorithm, Clustering, Social Media, History, Chatting, Checking Behavior,Detection.**

I. INTRODUCTION

Online Social Networks (OSN) have become extremely popular. Social media is ahead of e-mail as the most popular online activity.social networking and blogging account are used more   of all time spend on internet. OSN users behavior covers various activities that users can go online , such as adding friends, posting ,browsing, messaging and commenting. These activities can be legitimate or malicious. Understanding how users behave when they connect to sites is important because nowadays compromised counts are preferred by spammers.The malicious one breaks the trust relationships between genuine account owners and their friends, and efficiently distribute spam ads, phishing links, or malware.

Nowaday's hacking someone's online social networking profiling attributes   and then usage for the same for any vulgar activities is been a serious threat..The account of celebrities or political leaders is mostly not safe for this kind of system. Many system are been proposed to identify profiling but most of them were not successful.

II. LITERATURE SURVEY

There's been previous existing system like Enhancing compromised account detection in online networking, Studying compromised account detection. In Enhancing compromised account detection in online networking they profile the account by observing their activities. In studying compromised account detection it work on the basis of data clickstreams and it uses the fuzzy c means clustering , and Baum_Welch algorithm.

III. PROPOSED SYSTEM

We seek to uncover the behavioral of compromised account by using their legitimate owners history of their activities.OSN also provides various features such as sending messages, uploading photos, commenting on their posts, sharing friends posts, checking updates , etc. depending on this how the user operates its account , how he chats with with the friends, how much time he spend the time on single page it will be studied as a history of their work.
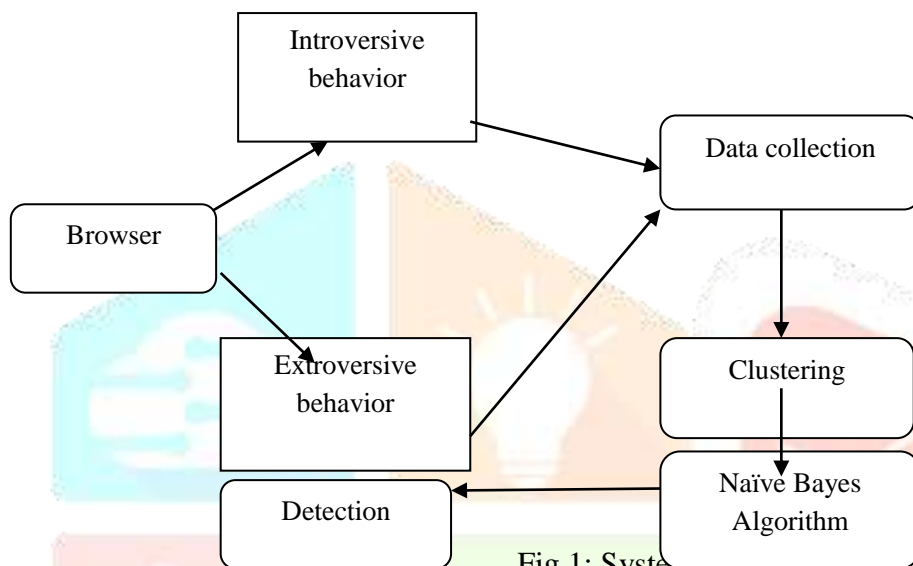

Fig 1: System overview

we will focus on users Introversive and Extroversive behavior . Extroversive behavior means uploading photos, and chatting or messaging i.e how the user interact with friends online. Introversive behavior such as browsing other user's profile and searching in message inbox, liking photos and commenting on posts, also liking on other user's posts and etc.

IV. Applications

The following are the applications of the project:
1. Women Safety

   It will be useful for women to be safe in social media.Nowadays there are more number of spams accounts are around social media.

2. Military

   It is useful for military because whichever the confidencial data they are sending to there user should be safe . It should not be leaked . Our system will not let break the trust between them . If any other activity is gone wrong it will the compromised account.

V. ACKNOWLEDGEMENT

We wish to express our deep sense of gratitude to our Project Guide Prof. Vaishali Yeole for guiding us for the project. We sincerely acknowledge for giving their valuable guidance and critical reviews and comments. Finally, we would like to express our heartfelt thanks to all supporting staff members and friends who have been a constant source of encouragement for completion of the project.

VI. CONCLUSION

In this paper, We propose to build a social behaviour profile for individual OSN users to observe there behaviours .Our approach takes into both introversive and extroversive behaviour. In this paper,we propose to build a social behaviour profile for individual OSN users to characterize their behavioral patterns and we will be also detect on the basis of chatting system by how they chat normally or they uses abusive words. Our approach takes into account both introversive and extroversive behaviours and using Naive bayes algorithm.

VII. REFERENCES

i. Darshana chaudhari , sayali revade and yogita sonje "Enhancing compromised account detection in online social networking"

ii. FabricioBenevenutoy tiago Rodriguesy Meeyoungchalvirgilio Almedia,"Characterising user behavior in online social networks"

iii. G. Stringhini, C. Kruegel, and G. Vigna ,"Detecting spammers on social networking"

iv. F.Schneider, A. Feldmann, B. KrishnaMurthy, and W. Willinger, "Understanding Online social network usage From a network perspective"