



A WEB-BASED APPLICATION FOR FILTERING **OSN USER WALL**

Author: Pallavi Dani **Author: Madhuri Andhale**

Author: Aarti Darade Author: Surbhi Gupta

E-mail:pallavidani901@gmail.com Email:madhuriandhale92@gmail.com

E-mail: rtdarade@gmail.com

E-mail: surbhi.2541995@gmail.com

Abstract

become a routine for individuals to keep Social Networking sites are best entertainment users to: built a public profile can also keep share your views and ideas on any topic. As share a connection and can see their list of trust related to people on OSN.As OSN classification method with trust calculation.

Keywords

OSN: Online Social Networks

API : Application Programming Interface

OSA: Online Setup Assistant

CBMF: Content-Based Messages Filtering

STC :Short text categorization SNM: Social Network Manager SNA :Social Network Applications **GUI**: Graphical User Interfaces

FW: Filtering Wall FR: Filtering Rules RF:Relative Frequency

BL:Black List

RBFN: Radial Basis Function Network

Introduction

A social networking service or website is a example.The people can shares ideas, messages, posts, interests, activities in messages on user walls. For e.g. Sites like

worldwide network. A social network service includes the representation of each user and his/her profiles, his/her active participation on a socialplatforms, Chats, Gossip, Stories, Advertisem Social networking sites are very popular. It has ents, Audios, Videos and a different types of web services. Social networking sites share a variety checking messages on their online social wall. of technical features that allow individuals or the for youngsters. Online social network helps you some contents of profile private visible to to connect with your family, friends, society to selected friends, make a list of other users who social networking sites are open for all, anyone connections within the system. Basically these can post message on their own wall or others visible profiles contains a list of "friends" those wall. Sometime people posts inappropriate are also users of that site. A profile is generated messages on other's wall which annoys people from obtaining answers of many common and viewing them. Considering this problem our personal intrests questions, such as age, location, paper work is for filtering OSN wall messages interests, etc. Many sites allow users to upload before they reach to the users wall and determine images or pictures, and can also add multimedia content to modify the veiw of the profile. e.g., messages are short for that we used Short text Facebook, allow users to improve their profile by providing facility to insert, update, delete or add their personal information. Many social networking sites allows the users to post their status or blogs, posts or messages, search for other peoples with similar interests, Preferences stated while creating public profile and share contacts. Generally User profiles consist an area to comments or to like to friends messages blogs, posts and other users. The content that present in social network is constituted by short text, and the notable example is the messages written by Online Social Network users on specific private or public areas, known as general walls. Social networks have control that allow users to choose or to mention who can view their profile contact them, include them to the list of contacts, and so on, all these will be done to protect user's privacy. In social network there may be a possibility that someone is posting some unwanted messages on other user's platform to interact among the peoples, for space. Some of the social networking sites their provides a very little support to prevent spam



Google+, Facebook, Twitter allows the user to categorization, [6], 2000, uses Collaborative choose the circle that is allowed to post messages filtering method, but in the proposed system on their walls(i.e. Friends, Friends of Friends, content based recommendation is used. It and any predefined group), but no content based explains a content based book recommending filtering or user preferences are given into system that develops information extraction and support to the existing systems, which doesn't machine prevent undesired and spam messages like categorization. political statements, advertisements. Vulgar messages. So it has needed to avoid the M. Vanetti, E. Binaghi, B. Carminati, M. displaying of unwanted words on user's wall. This is achieved by using Rule Based on-line social networks, [7], 2010, Quality of Filtering System. Sum up of work as follows: classification is considered as the main aim. This in OSN.

- We Propose a rule based Filtering Methods depends on statistical data. allows users to customize filter by applying filtering criteria.
- automated system, called Filtered Wall (FW). labour power will be saved is the advantage of
- OSN user space.
- text categorization techniques assign with each short text message a set of categories based on H. Schutze, D. A. Hull, and J. O. Pedersen, A. its content.

Related Work

Ms. Shruti C. Belsare, Prof. R.R. Keole, OSN approaches will be done. Better performance will user filtered walls for unwanted messages using be taken. content mining[13], march-2014, proposed a system that will automatically filter unwanted R. E. Schapire and Y. Singer, Boostexter: a messages from OSN user walls on the basis of boostingbased system for text categorization, both message content and message creator [11], 2000, Consist of two extensions, specially relationships,their preferences characteristics. The limitation of this paper is first extension, learned classifier is evaluated to that the users will have no privilege to access or predict a good approximation of sets. modify the FR specification.

Dipali D. Vidhate, Ajay P. Thakare, to avoid based filtering approach[14], april 2014, extensions,[9], 2005, Recommender system's concerns about both the rule layer and the Overview is explained. Main three approach classification module. The limitation of this used in present generation of rec-ommendation highlighted the lack of a publicly available recommendation. Many restrictions of this benchmark for comparing different approaches system are elucidated. But argue to enlarge the to content based classification of user walls short advance system of recommender. So that, this texts.

R. J. Mooney and L. Roy, Content-based book integrating the contextual information in recommending using learning for

learning

Carullo, and E. Ferrari, Content-based filtering in • We propose automatically filter post messages system can usually take decision about the messages which is blocked, due to the tolerance

F. Sebastiani, Machine learning in automated text • We propose and experimentally evaluate an categorization, [8], 2002, Efficiency is good, • We propose to filter unwanted messages from this paper. The main approach used here is text categorization. Comparison will be performed • We propose to exploit Machine Learning (ML) between human expert and labour power expert.

> comparison of classifiers and document representations for the routing problem,[12], 1995, Latent semantics indexing and feature selection used as an approach comparison of this

and planned for Multi-class, multi labelled data. In

A. Adomavicius, G.and Tuzhilin, Toward the next generation of recommender systems: A unwanted messages from osn user wall:content survey of the state of-the-art and possible paper is the analysis of related work has system is hybrid, content based and collaborative system can be used in wide variety. Extensions embrace sympathetic of users are enhanced, text recommendation method, sustain for multi



criteria ranking.

B. Sriram, D. Fuhry, E. Demir, H. ConnectifyMe, which contains all the features of Ferhatosmanoglu, and M. Demirbas,Short text Online Social Networking such as Register, classification in twitter to improve information Login, Upload Image, Upload post, Friend filtering,[1], 2010, In online services like twitter request etc. In this system we are providing the users may grown to be plagued by the rare data. Resolution of this crisis is short text messages are given by the user itself to the system and classification. To solve this problem, we suggest a small set of domain specific feature is haul out sending such message are blacklisted from user profile. This approach successfully automatically by the system and if it exceeds classifies the text into generic classes.

V. Bobicev and M. Sokolova, An effective and images which contains hidden text in it, such robust method for short text classification, [10], images are filtered and the text is displayed. The 2008, Classification of text encloses complex system also provides filtering the phishing links and specific terminology; need the application of posted on the user walls, alerting the user to learning method. Partial Matching method is proceed or not with the link if found phishing, so applied which condense the text for confining to prevent users credentials information from the text feature. Partial matching develops a leaking. The aim of the present work is language model. The output of partial matching experimentally evaluate an automated system, compression provides consistent precision of text called ConnectifyMe, able to filter unwanted messages, images and phish links from OSN user

J. Golbeck, Combining provenance with trust in social networks for semantic web content filtering, [2], 2006, Social network is the common interest grouping web. To make the trust many explanations are required. Two level approaches are stated to combine annotation, trust and provenance. We state an algorithm for concluding trust relationship with provenance information and trust annotation in web social network. Film trust application is introduced which uses trust to movie rating and ordering the review. We consider film trust give the good output.

Problem Definition

The major issue in social network is user does not have a control over their walls because it does not support content based preferences. Therefore it is not possible to prevent undesired messages such as political or vulgar ones which is posted on the private space of the users. Likewise, huge volumes of data are

extracted and posted to the social sites, so it becomes a sophisticated task to social network management.

Proposed System

We have implemented the system called ConnectifyMe, which contains all the features of Online Social Networking such as Register, Login, Upload Image, Upload post, Friend request etc. In this system we are providing the user with user defined filtering patterns which are given by the user itself to the system and according the user wall is filtered, the sender sending such message are blacklisted automatically by the system and if it exceeds more the three times by the same user he/she is blocked. ConnectifyMe also provides filtering of images which contains hidden text in it, such images are filtered and the text is displayed. The system also provides filtering the phishing links posted on the user walls, alerting the user to proceed or not with the link if found phishing, so to prevent users credentials information from leaking. The aim of the present work is experimentally evaluate an automated system, called ConnectifyMe, able to filter unwanted messages, images and phish links from OSN user walls. Thus we are providing a solution as ConnectifyMe to make the use of OSN wall more efficient, reliable and secure to the user, through which user can have control of what should be displayed on its own wall.

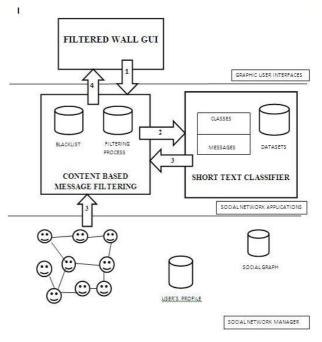


FIG: FILTERED WALL ARCHITECTURE





Stemming and Lemmatizing

The basic function of both the methodsthem reduce a word variant to its 'stem' in after applying a set of rules but without lemmatizing deals with obtaining the 'lemma' of 7.0.56 for JSP/JAVA servlets. a word which involves reducing the word forms to its root form after understanding the POS and **Datasets** the context of the word in the given sentence. In stemming, conversion of morphological forms of a word to its stem is done assuming each one <a href="http://onlineslangdictonary.com/list/most-vulgar-v is semantically related. The stem need not be an existing word in the dictionary but all its variants should map to this form after the stemming has been completed. There are two points to be considered while using a stemmer:

- Morphological forms of a word are assumed to for-dislike-vocabulary/ have the same base meaning and hence should be Conclusion mapped to the same stem.
- ·Words that do not have the meaningshould be kept separate.

For example, the word inflations like gone, goes, going will map to the stem 'go'. The word 'went' will not map to the same stem. However a users. So, we can avoid unauthorized person and lemmatizer will map even the word 'went' to the we can keep our private wall secure. We have lemma 'go'.

Lemmatizing:

introduction, introducing, introduces –introduce contents will get filtered from the images. gone, going, goes, went -go

Stopwords Algorithm

Sometimes, some extremely common words which would appear to be of little value in helping select documents matching a user need are excluded from the vocabulary entirely. These words are called stop words. An example of a stop list is as follows:

and are as bΫ from an its of on that the has hē it in will with was were

Experimental setup

Our system consist of client side and server side stemming and lemmatizing is similar. Both of web application. We have tested our client side application in windows operating system in stemming and 'lemma' in lemmatizing. There is chrome browser. For this application we require a very subtle difference between both the an modem drivers for an internet connections concepts. In stemming the 'stem' is obtaining and for server side application we have taken again windows operating system, JDK1.7 for bothering about the part of speech (POS) or the JAVA platform, Eclipse for JAVA code editing, context of the word occurrence. In contrast, Wampserver for mysql and Apache Tomcat

http://urbanoalvarez.es/blog/2008/04/04/badwords-list/

words/

http://www.macmillandictonary.com/theasauraus -category/british/offensive-words-for-peopleaccording-to-nationality-or-ethinicity

https://myvocabulary.com/word-list/synoyms-

We have proposed a Filter wall to filter unwanted messages from Online Social Network We have used blacklist private walls. management and filtering rule to provide rules to the system. Blacklist rule is used to avoid unwanted messages created by the unauthorized also implemented OCR technique in which the text from the images get extracted and the



References

- [1] B. Sriram, D. Fuhry, E. Demir, Ferhatosmanoglu, and M. Demir-bas, Short text classification in twitter to improve information filtering.
- [2] J. Golbeck, Combining provenance with trust in social networks for semantic web content filtering.
- [3] P. Bonatti and D. Olmedilla, Driving and monitoring provisional trust negotiation metapolicies,
- [5] C. Bizer and R. Cyganiak, Quality-driven information filtering using the wiqua policy framework" Semantics: Science, Services and Agents on the World Wide Web.
- [6] R. J. Mooney and L. Roy, Content-based book recommending using learning for text categorization.
- [7] M. Vanetti, E. Binaghi, B. Carminati, M. Carullo, and E. Ferrari, Content-based filtering in on-line social networks.
- [8] F. Sebastiani, Machine learning in automated text categorization
- [9] A. Adomavicius, G.and Tuzhilin, Toward the

- next generation of recommender systems.
- [10] V. Bobicev and M. Sokolova, An effective and robust method for on, n AAAI, D. Fox and C. P. Gomes, Eds. AAAI Press, 2008.
- [11] R. E. Schapire and Y. Singer, Boostexter: a boosting-based system text categorization, Machine Learning.
- [12] H. Schutze, D. A. Hull, and J. O. Pedersen, with A comparison of classifiers and document representations for the routing problem.
 - [13]Ms. Shruti C. Belsare, Prof. R.R. Keole, OSN user filtered walls for unwanted messages using content mining.
 - [14]Dipali D. Vidhate, Ajay P. Thakare, to avoid unwanted messages from osn user wall:content based filtering approach.
 - [15]http://urbanoalvarez.es/blog/2008/04/04/badwords-list/
 - [16] http://onlineslangdictionary.com/lists/most-vulgar-words/
 - [17]<u>https://myvocabulary.com/word-list/violence-vocabulary/</u>