



Security for Photo Sharing on Social Media using Image Processing

Mrs. Manisha Vipin Vibhute¹, Mrs. Sulakshana Nishikant Bhatlawande²

¹manisha.vibhute@gmail.com, ²sulakshananb@gmail.com

¹Y. B. Patil Polytechnic, Akurdi, Pune

²Y. B. Patil Polytechnic, Akurdi, Pune

Abstract — Now a Days Sharing of Photo's on social media is a adorable thing. But Some times, it may be release users' security if they are giving permission to post, comment, and mark a photo's openly. So in this paper, we are trying to find out solution of this issue and handle the situations when a user shares a photo containing individuals other than him/her. To Predict possible security leakage of a photo, we can develop a system which enable each individual in a photo aware of the posting activity and share in the decision making on the photo sharing. Finally, we require a strong face detection structure that can see everyone in the photo. The other scenario, all the additionally asking for security setting might control the photos' quantity freely available to design the Face detection system In this paper we have explained the condition if a client shares a photo containing people other than herself/himself then how proposed a system will identify the owner of photo and without his/her permission the client can not share the photo on social media.

Keywords: Face Detection, Social Media, Privacy, Photo Sharing.

Received :05/11/2022 Accepted: 18/11/2022 Published: 01/12/2022

I. INTRODUCTION

Now a day's Social media has become a source for communication for all generations. The interaction among different type of people through Online Social Media is vast. People are using social media for different purposes like connecting with friends and relatives, for sharing thoughts, Chatting, finding like-minded beings across the world to express their thoughts, sharing emotions.

Hence, There are large number of posts are on the social media. In the past two decades, social media usage and the data shared through it has spread up very fast. Lot of data get shared with many people. However many of us are not sure about the total viewers of the shared photo and the impacts it can create. When users share photo of themselves and friends, usually taken with a Mobile phone, it also uploads the related data for that photo. In this situation, information about photo shared to social media. It content more confidential information which can be used to indentify a specific individual. This data includes the cameras identification number.

The photo which shared on social media, anyone can download or capture screenshot and post a photo of any user without their knowledge. In case of their tagged, the concerned person will come to know about the post. This case may be result in a privacy break.

To overcome this problem we are trying to propose a system where a person is sharing photo on the social media that involves other than himself then, System will defect the face of person and system will send notification to that person. A notification that can both work as an alert and as a response collector.

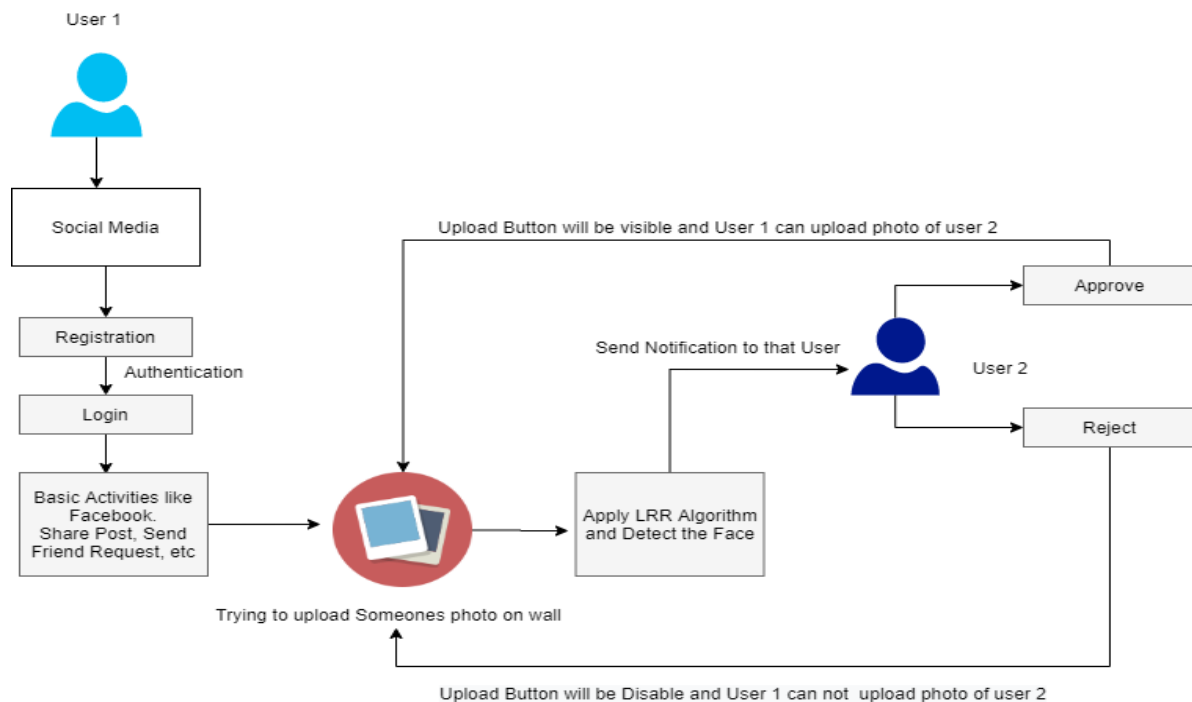
Limitation of Existing System

- Anyone can share anybody's photo on social media.
- Misuse of photo

- Privacy is not maintaining.

II. PROPOSED SYSTEM

In proposed system we can develop a web application similar to social media which covers basic functionality like create account, login, send friend request, post, share photo etc... When user1 is trying to upload photo of another user then system will apply LRR (Low rank Representation algorithm) and system will identify face of user. Once system detects the user which is in photo system will generate notification i.e. User name who are posting photo on social media is uploading photo on social media. With Allow and Deny Button. If User1 click on allow button then only User2 can upload the photo of user1. Means without permission of photo user, another user can not upload the photo and we can maintain the privacy of photo.



Step 1: As shown in above diagram User1 can Register and login into social media.

Step 2: User can perform basic activates like send friend request, upload photo, share photo, etc...

Step 3: When User 1 tries to upload photo of user 1 system will send notification to user2 who is in the photo.

Step 4: if User 2 click on approve button then only User1 can upload and hare the photo of User2.

Step 5: If User 2 click on Reject button then User 1 cannot upload and share photo of User2.

III. CONCLUSION

In this paper, we have successfully explained how we can develop a social media feature which can maintain the photo privacy. This feature is not present on any social media. If this feature is added in social media then we can prevent the misuses of photos on social media. And no one can upload and share photo of another users without his/her permission.

IV. REFERENCES

- [1] Mavridis et al. Study the statistics of Photo Sharing on social networks and propose a three realms model.
- [2] Proposed a paradigm called Privacy Suites, Jonathan Anderson in 2009
- [3] Privacy and Security Issues in Online Social Networks, IkramUd Di
- [4] The Failure of Online Social Network Privacy Settings, MichelleMadejski
- [5] Personal Information Privacy Settings Of Online Social Networks and Their Suitability For Mobile Internet Devices.
- [6] Privacy Settings in Online Social Networks -- Preferences, Perception, and Reality.
- [7] In Proceedings of the 6th international conference on Multiple Classifier Systems, MCS'05, pages 278–285, Berlin, Heidelberg, 2015. SpringerVerlag. K.-B. Duan and S. S. Keerthi