

Kid Friendly Social Media

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Abstract - Social media is a huge part of our lives, and it's making a greater impact on kids than ever before. Social media can be a great way to connect with friends, but too much time spent on it can have negative effects. For example, there are risks of cyberbullying and other types of social media crimes.

To reduce these dangers, we need AI and data analytics tools. These tools help us understand what our users are doing on social media and how that behaviour affects them. By using this information, we can make better decisions about how to manage our accounts.

As we all know how important AI is in today's time, but with AI even concepts like machine learning and data analytics have become a major part of today's evolving time. Since technology is something that we can combine with any field, like school and technology providing smart gadgets that help children to enhance their wisdom.

Social media is making a huge impact on kids, which is both good and bad. While it provides access to information and opportunities for education, it can also be dangerous when used inappropriately. AI can help us track down and prevent harmful behaviour on social media by analysing data from millions of users in order to predict who might commit a crime or abuse others.

Key Words: AI, Machine Learning, Gadgets

1. INTRODUCTION

increasing the usage of social media, comes an increased risk of cyberbullying, harassment, and hate speech. These negative aspects of social media can have serious impacts on mental health and well-being, particularly among young people who may not have the necessary coping mechanisms to deal with such online abuse.

Moreover, social media often perpetuates a culture of comparison and unrealistic expectations, leading individuals to feel insecure about their own lives and bodies. This can lead to low self-esteem, body dysmorphia, and other mental health issues.

From our survey, we get to know that nowadays Kids under the age of 12 also use the social media for many activities, and because of their immature age, they don't know how to use the social media properly. The social media we use contain many kind of offensive words, topic which can affect mental health, and the most common problem is cyberbullying. This kind of activity are not beneficial for kids under age 18.

Our Main purpose is to deduct this issue and create a web-application Kid friendly social media where they can chat or do activities as according to their age and Doesn't face any type of cyber offense and bully.

A kid-friendly social media is a platform where kids can create a safe space to share their ideas and talk about what they are interested in. Kids-friendly social media allows kids to ask questions, connect with others, and share their ideas. The most popular platforms for kids are Instagram, YouTube, and Snapchat. where kids can go to interact with other kids and share their thoughts, opinions, and stories. Kids like to share photos, videos, and messages on social media. It's important to be aware of what your child posts on social media so that you can make sure it's appropriate for them.

We will be using AI and ML concept and algorithm to reduce the counterfeits of social media. We will add KYC registration to identify the robot registration. So a One kid can only open one account under his or her name for further safety also using text and image evolution to sensor the bad and offensive word and according to that action will be taken.

2. Aim and Objective

- One account per person
- Strict security measures posts and accounts recommended
- Actions over hatred and misleading posts/accounts
- monitoring comments monitoring account posting activities

3. Motivation

The main motive for creating such platforms is the safety of children and to avoid them being influenced by the wrong things. This will also assure parents that they need not worry about what their child does, watches, communicates, or chats to on social media.

There are many different types of social media platforms available today, from messaging apps to video sharing sites. The sheer number of options can be overwhelming for new users, especially for young people who are just getting into technology. However, there are some common concerns about social media use among children and adolescents that warrant special attention. These include issues like cyberbullying and the potential for exposure to harmful content, as well as the potential for addiction and mental health problems associated with excessive social media use. By creating safe spaces online where children can express themselves freely without fear of negative judgment or harassment, we can help prevent these issues from occurring in the first place. By encouraging digital literacy and providing support systems for youth and their families, we can help young people navigate this increasingly complex world safely and effectively.

The main motive for implementing age-restriction on social media platforms is to ensure the safety of children. Studies have shown that young people are more susceptible to negative influences on social media and can be negatively impacted by exposure to certain content. By providing a safe space for children, social media giants can help protect them from harmful content and online influences. Additionally, restricting access for underage users helps to avoid underaged users from getting exposed to inappropriate or harmful material. The main reason for implementing age-restriction on social media platforms is to assure the parents that their children are safe and secure while using these platforms and are not being exposed to potentially harmful content. This will also help reassure

the parents that they do not need to worry about what their children are doing online, as they will be able to control their online activities safely. Overall, age restriction on social media platforms is a good way to protect young users and safeguard their well-being.

4. Methodology

AI and ML concepts with cyber security rules are used to make such a algorithm that does not hurt the sentiment of a user and this is done with the help of sentimental analysis. User's textual posting is secured by the help of textual analysis that help to understand the triggering pattern in a textual post and then steps are taken as per requirement

a proposed methodology for implementing a system that requires KYC verification upon a user's first login, saves the data to a PHP database, and then monitors the activity of the user and removes any offensive or harmful posts using a core algorithm:

PHP is used for implementing chatting algorithms and HTML5, CSS3 for making the skeleton, and for website designing. JavaScript is used for basic action and triggering actions on the website. For database and real-time storage, PhpMyAdmin is used.

First Login:

Upon a user's first login, they will be required to complete a KYC verification process, which will include providing personal identification information such as name, date of birth, and address, and submitting supporting documentation such as a passport or driver's license.

Data Saving:

After successful KYC verification, the user's information will be saved to a PHP database, which will include a record of their personal information, their login history, and any activity they have performed on the website.

Monitoring:

The website will continuously monitor the user's activity to ensure compliance with community guidelines and policies, including the removal of any offensive or harmful posts. This will be done using a core algorithm that is designed to detect and remove any posts that contain offensive language or harmful content.

Algorithm:

The algorithm will be built using machine learning techniques, including natural language processing and sentiment analysis, to analyse the content of each post and determine whether it is offensive or harmful. If a

post is found to be offensive or harmful, it will be immediately removed from the website.

Appeals:

If a user believes that a post was removed in error, they will have the option to appeal the decision. The appeals process will involve a manual review of the post by a human moderator, who will make the final decision on whether to reinstate the post or keep it removed.

Ongoing Improvement:

The algorithm will be continually updated and refined based on user feedback and data analysis, to improve its accuracy and effectiveness in detecting and removing offensive or harmful content.

In conclusion, the proposed methodology for implementing a system that requires KYC verification upon first login, saves the data to a PHP database, and monitors the activity of the user to remove any offensive or harmful posts using a core algorithm involves a combination of technical and manual processes to ensure a safe and respectful online community.

5. Existing System

GoBubble - A social media platform specifically built for kids and also used by teachers.

It is an app but with teachers and with parental control. In this the parents and teachers can track students but there is no such algorithm to track the students activities. Also it is a game app rather than chatting or social

media, children from 2-4 years old can use this app to play games and watch videos that are only uploaded for kids.

PlayKids Talk - A kid-safe chat and messaging app for under 12 year olds

The main backlash is the child's privacy because the parents have to login in so that the child could access the application and this app is IOS based so android (majority of worlds users) or web-based systems can not run this application.

6. Need of New System

KYC at registration – To identify robot registration
Extract text from image for evaluation – for understanding whether a post is viewable by that particular age group

No multiple accounts – avoid spam accounts and to prevent banned user from creating acc again

To ban triggering words or images – to keep a particular age group from taking in from these wrong influence

To suggest accounts according to age group – so that people with same age group can discover each other

Turn on age sensitive algo – to make sure that user of appropriate age can be allowed to comment acc to their age category

Software for identifying wrong imgs(blood, burning, suicidal, triggering impulsive thoughts)

triggering algo for words n images – to avoid violation of our posting and commenting standards

registration (verification docx, real time pictures, otp mechanism) – like taking aadhar card/pan card, taking real time picture of the user to ensure that only they are creating the acc, to ensure a authentication factor otp is used

acc overview – to have a list of : accounts under kyc process, accounts which have been warned, accounts on the verge of ban, accounts that have been asked to reapply kyc in few months

Core

algorithm:

Algorithm –

Kyc and registration algo – for checking the user details and providing them with account only once this will help in controlling creating multiple accounts and prevent online cyber bullying cases.in this we will be asking the user to submit details such as adhaar card picture and real time selfie for authentication on real user.

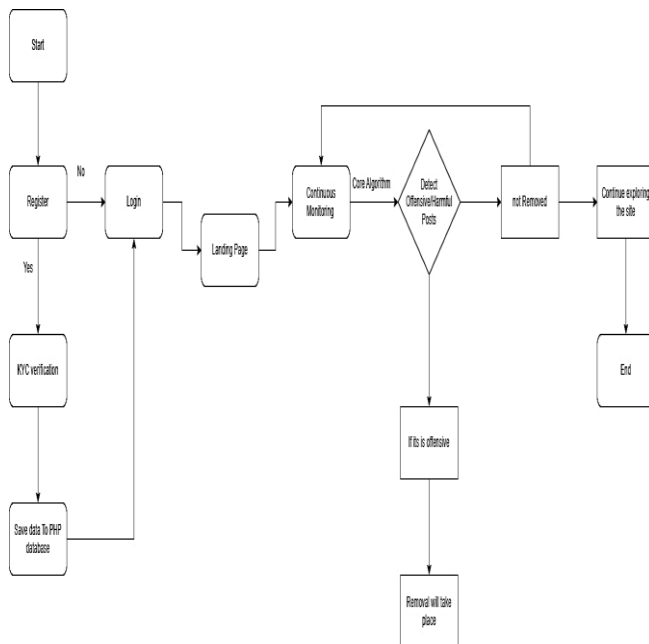
Triggering algorithm – this algorithm will save triggering words in a different database column, these words will be compared to the already fed triggering words and according to then the algo will be activated. This algorithm will be activated according to the words any user comments.

Inferential Data Analysis - This will be used to discover triggering patterns in the data. Certain words will be fed into db and those will act as a comparison for the analysis.

Text Analysis - This will perform real-time analysis of posts or comments and detect any triggering words in them.

Cloud databases - So that past and present user data won't be lost and would be available for further analysis

7. Flowchart



The flowchart shows that the system starts with a user's first login, which triggers the KYC verification process. Once the user's information is successfully verified, it is saved to the PHP database, and their activity is continuously monitored. The core algorithm analyzes each post to determine whether it is offensive or harmful, and any offending posts are immediately removed from the website. Users have the option to appeal the removal of their posts, and the appeals process involves a manual review by a human moderator. The system is continually updated and refined based on user feedback and data analysis to improve its effectiveness in detecting and removing offensive or harmful content. The process loops back to continuous monitoring, and the flowchart ends when the user logs out or closes the website.

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9. Conclusion

1) Summery

The main Impact of the project is to Lower cybercrimes so that kids can use social media without any cyberbullying. We will be using an Efficient Security Mechanism to lessen the risk of kids getting brainwashed and reduce the obsession with social media. A safe social platform for everyone eliminates terrorist organizations and any anti-organization. Every Parent wants their kid to do the things there to age-appropriate but because cybercrimes and cyberbullying are increasing in our society, parents are afraid to handover social media to their children for safety reasons by using our web app parents don't have to worry about these things and kids can also use social media.

2) Future Scope

We are focusing on building and creating security algorithms that can be implemented over any social media so that every social media will be independently kid friendly.

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