Kiiling Media Piracy by using Artificial Intelligence

A.**Vidhyavani, P.V.Sumanth,U.Surendra,V.Chakradhar**

Abstract- Now a day's Artificial intelligence is very important. To eradicate the media piracy on the internet we are going to implement the technique called the page replacement algorithm by using the artificial intelligence. Detecting and stopping by manually it is not possible to remove manually. The page replacement algorithm will help to detect the media piracy on the internet. Internet means that any of the social media platforms like gmail ,youtube,drives etc. By using this page replacement algorithm we are going to achieve. This algorithm will helps to detect it will divide into the number of frames each page has the several frames .Each frame in the page get scanned by the page replacement algorithm . Based on this technique replaces the page that used for the long period of time. This page replacement algorithm has to work very fastlly and consumes the less memory. This technology has controlled by the any government companies. The government has specified companies to detect such piracy. The LRU technique maintains the backward of the page. This LRU helps within seconds to detect the piracy on the internet.

Keywords: PAGE REPLAEMENT ALGORITHMARTIFICIAL INTELLIGENCE, TECHNIQUE, LRU.

I. INRODUCTION

Artificial Intelligence (AI) is going to very important .All the companies in the world they are using AI some of the companies they using AI for the production purpose some other companies they are using AI for the detecting the piracy on the internet .The companies are having the so many techniques one of this techniques are logo detection and Recognition this logo detection checks on the CNN whether the information is uploaded on the internet or not. When the content is uploaded on the internet it check the content first .If the content is fine it uploaded to the media if the content is not good it will send the message to up loader of the video please remove the video from the internet.

First the logo detection divides the content in different formats. It will check if there is any feature matching in the video .Some of the companies have their own logos they keep their logos in the videos they will upload the videos in the internet .Some of the people have their companies logos they will keep their own logos and uploads the videos in the internet. This type of videos in the internet the logo detection and recognition techniques can easily erase the videos from the internet. This logo detection and recognition have the higher accuracy then the other techniques we have for this detection on illegal videos on the internet. It should have some data training these data sets check the data of the video content based on the artificial intelligence and CNN's.Logo detection and recognition with CNN'S there should the many solutions for this techniques. The first step we have to train the dataset and the data set ca we verify by the CNN'S this CNN's verify the data the data does not have any piracy we can upload the data in to the internet. If the training set does not trained well it will not detect the logo correctly and we cannot find any piracy on the video. We have to create the data set for that the large data set should be created for this video detection. For uploading the videos the companies should kept the logo at specific place. Based on the content what we are going to choose it would be illegal content it should be authorized by the CNN .For suppose the content it should be not like the illegal videos .It should be illegal content the CNN it not supports.

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II. LITERATURE SURVEY

i)MULTI-SCALE DEEPLEARNING ALTERNATIVE NEURAL NETWORK LARGE SCALE VIDEO

Now a day's multimedia data video classification have the more demand than the image classification. In video classification the created software should read the every single frame in the video. Every frame will give the visual clues. By using the visual clues we can classify the particular video. For this particular problem by using the multi scale deep alternative neural network we can decode the every frame in the video. By studying the every frame of the video it will store the data of all the video in the allocated memory which is allocated to it.

ii) IMAGE NET LARGE SCALE VISIUAL RECOGNIZTION CHALLENGE

In the present trending world the data of the images will possess the high value .But it is very difficult to classify the data of the images now a days. By using the image net software we can classify the wide range of images in the world. This will result the millions of similar images organized by the world net.

iii)AUTOMATIC LOGO DETECTION IN DOCUMENT IMAGES

Logo detection plays key role in the finding the unknown brands and intuitions etc. Documents are created by using some of the logos to decode the certain logs we use the logo detection software.

To find the logs we find the software named as the discreet wavelet transform .The rate of detection of this processes is high compared to the other soft wares. The logo detection is mainly used by the police crime departments to find the criminals.

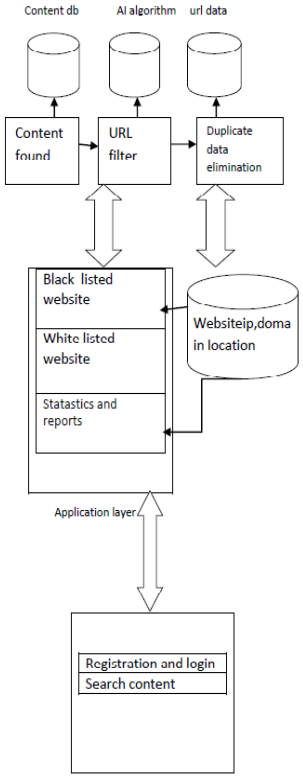
Iv) FACE RECOGNITION IN REAL WORLD SURVEILLANCE VIDEOS WITH DEEP LEARNING METHOD

Face recognition is very challenging work but it is an important issue in the security based works like government id proofs. But the present working face reorganization software is good but by using that software we can't find the variations in pose. We are here to propose one new system to find the pose and face recognition by using the deep learning. First we consider on data set and training set to train the system then give one example to the system to recognize the face it will work accurately. The accuracy of the system should be nearly 92.1 but in the previous system it is been nearly around 80.1.

V) DEEP RESIDUAL LEARNING FOR IMAGE RECOGNIZATION

By using the facial expressions we can recognize the image.convulation neural network is used for the reorganization of the image. In the era of the software technology the level of machine learning and artificial intelligence is increase. By using the artificial intelligence we can make survey on the different kinds of data sets and the system will train according to it By using the machine learning we can find the image reorganization and the survey will done by the human beings. This is the way we produce the training set to the system

III. PROPOSED ARCHITECTURE



In this architecture the web crawler is to store the content in data base .The web crawler contains the artificial intelligence and machine learning algorithms this algorithms filter the url .The videos contains the specific url .The url database knows if there is any duplicate content in the data if there is any duplicate content it eliminates the data in the videos.The central data base contains websites ip domain locations .It having the application layers the application layer having the black listed websites and the white listed websites and the statistics and reports this layers will entirely delete the illegal content in the videos we have the admin login and registration after login the admin if the video having the illegal content it search and it will sends to the admin email the video having the some of the illegal content.

IV. PROPOSED ALGORITHMS

1)Page replacement algorithm

When we are not using the page for the long time it will automatically delete the page. The already exist paper will not exit it replace with the new page in the memory. This algorithm by implementing the backward distance of the page .The last paper distance backward paper is assigned to zero.

Algorithm:

Step 1: Read initial value i.e., number of frames, length of reference string and reference string.
In the first step it will initial the values and number of frames and reference string.
Step 2: initialize array to -1, indicating that the frames are empty.
And then next it will initial the array to -1 it will indicate the frames should be empty.
Step 3: change array size to 0, indicating it will be used for storing backward distance.
When the array show 0 indicating that it will be storing the backward distance.
Step 4 : For each page reference i in the reference string, if i not in memory and frame=empty then
empty frame=j;
when the reference string is j when it show in i the frame should be empty.
else if
j not in memory and frame!=empty then
longest page distance= j;
j=0;
else if
j in memory then
j=0;
else
j for each page=1;
if page is 1it will display the result.
Step 5: display result.
Step 6: end.
At the end the result will display.

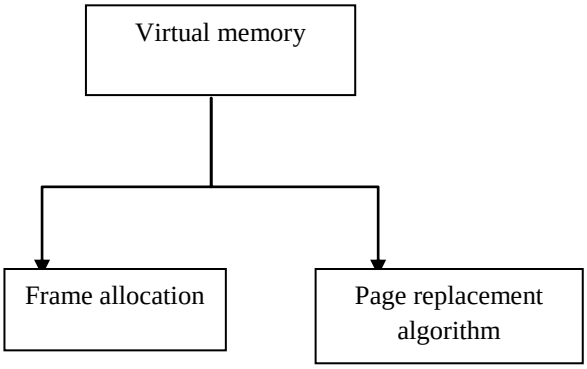
2) Marking algorithm

This marking algorithms is associated with each and every page. First all the pages should be unmarked and at the starting of the page

it start should be marked and rest of the pages should the same like that at the end of all pages the pages get marked
The marking algorithm of the cache of size is P and the optimal algorithm of the cache of size L
That the equation of the optimal algorithm of the cache of size P should be less than the marking algorithm of the cache of size L .L<P
(P/P-L+1) is the equation of the marking algorithm.

3) Conservative algorithms

The conservative algorithm is same as the marking algorithm but in this any pages added it will be marked by the this algorithm any of the pages is get reference it will make sure that the pages should be marked.
Its having the equations as same as the marking algorithm the conservative algorithm of the cache of size is P and the optimal algorithm of the cache of size is L.
The equation of the Conservative algorithm is the optimal algorithm of the cache of size P should be less than the conservative algorithm of the cache of size L. L<P.
(P/P-L+1) is the equation of the Conservative algorithm.



There are two main parts of the virtual memory are frame allocation and the page replacement. In the frame allocation each page how many frames should be allocated? To the process and the page replacement by which page we are going to replaced.

V. EXPERIMENTAL RESULTS

We are going to develop that to detect media piracy by using the page replacement algorithm this will help to detect the media piracy on web .Then the user can manually check by using this algorithm it should be the black listed or white listed websites. The user it should be easy and many of the government agencies can work by detect the white listed websites or the black listed websites. We can find any of these such websites we will get the notification to the user it should be illegal website and we can intimate to the owner of the website the owner can check the websites and report to the regarding authorities about the website. Page replacement algorithm is the first in first out type algorithm it will check the pages in a queue .In the memory having all the pages in a queue when we assign to the first page in the memory it will continue upto the last page .For example the page reference string of 1,3,0,3,5,6,3 with the page reference.

Page reference 1,3,0,3,5,6,3

1	3	0	3	5	6	3
		0	0	0	0	3
	3	3	3	3	6	6
1	1	1	1	5	5	5
Miss	miss	miss	hit	miss	miss	miss

Total page fault = 6
Firstly all the slots should be empty and they miss the page and all the times it should be miss the pages .At the fourth time it will hit the reference pages.

VI. CONCLUSION

The sudden rise of artificial intelligence will give the opportunity to many platforms like social media piracy. Artificial intelligence will work automatically on the issues like software errors it will solve automatically by using the traning and data set. In this paper we presented about how the artificial intelligence will work on the media piracy. It will analyze all the terms of the artificial intelligence and accept the videos into media.we trained the system how to recozinize the media piracy. by analyzing the each and every frame of the media it will finalize the media is pirated and the pirated content will automatically deleted from the server. I component for real time monitoring of copyrighted material. If the person will upload the video with out the copyrights they will take action on the particular details of the user.

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