

12 AM PROGRESS REPORT

Team Name: F-Society

Team Members:

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Meet Soni

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Github Link: https://github.com/sahilnare/Hack_Chennai_2020

Rakshak is an all-in-one integrated solution for prevention of cyber-crimes like cyber bullying/harassment, etc. We have built a web-extension, an android application and an admin dashboard website. This covers all the aspects, from prevention of crime through the custom keyboard service to the automatically reporting of the crime to the authorities using the extension and android application accompanied by a portal wherein the analytics are performed on the data and the corresponding visualisations are displayed for a meaningful understanding.

Web Extension:

Removal of toxic tweets/comments from feed of the user using sentimental analysis (Currently it works on Twitter and YouTube).

The screenshot shows a YouTube video player on the left and a Chrome DevTools console on the right. The video is titled "Dehara" and has 30 comments. The console displays the following log entries:

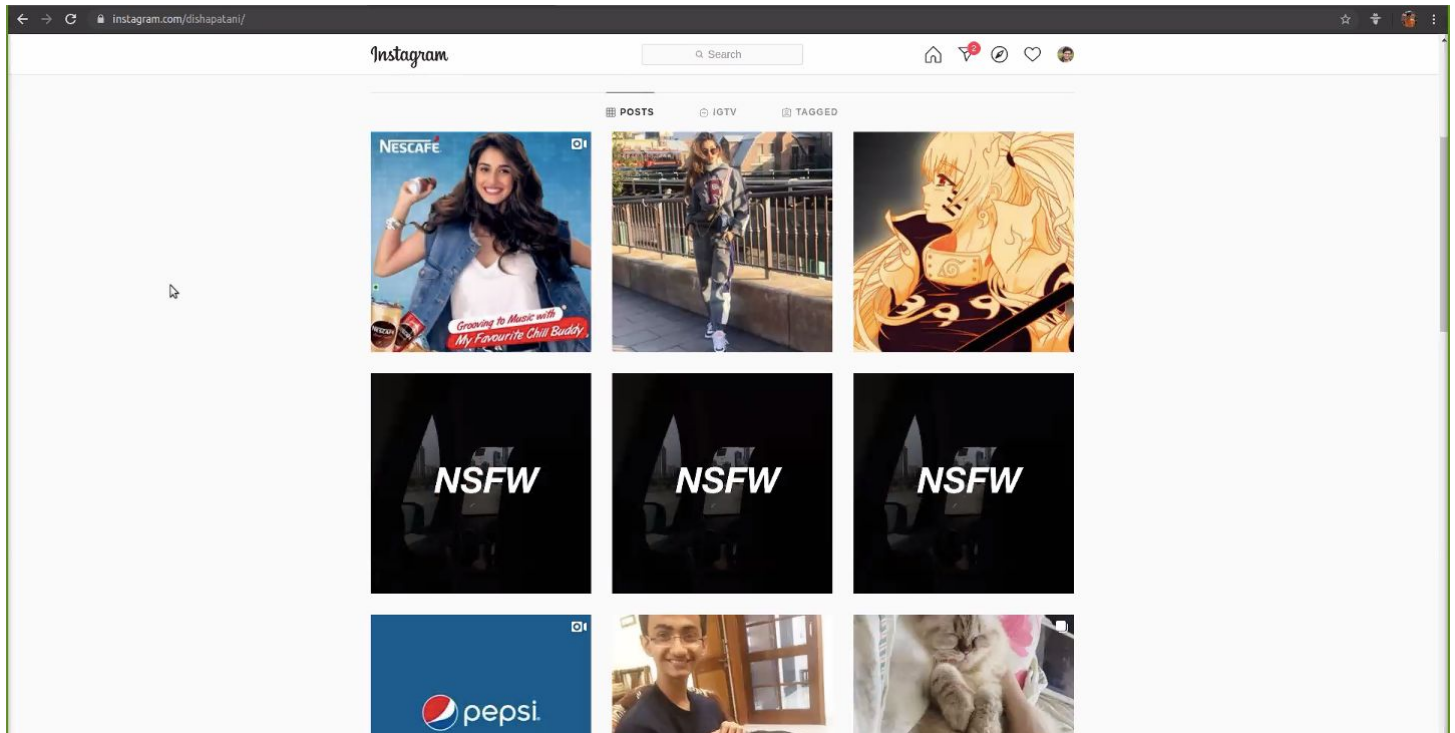
- Comments loading... youtube.js:81
- Comments loaded chrome-extension://f...nf/js/youtube.js:84
- Array(7) "f\$#cking shi chrome-extension://f...nf/js/youtube.js:41 t"
- insult was found with chrome-extension://f...nf/js/youtube.js:44 probability of 0.8050039410591125
- obscene was found with chrome-extension://f...nf/js/youtube.js:44 probability of 0.9271566867828369
- toxicity was found with chrome-extension://f...nf/js/youtube.js:44 probability of 0.951910674571991
- Array(7) "WHat a f#4ck chrome-extension://f...nf/js/youtube.js:41 ing shit video"
- obscene was found with chrome-extension://f...nf/js/youtube.js:44 probability of 0.9179508090019226
- toxicity was found with chrome-extension://f...nf/js/youtube.js:44 probability of 0.9155201315879822
- Array(7) "this is a go chrome-extension://f...nf/js/youtube.js:41 od video very helpful"
- Array(7) "great video! chrome-extension://f...nf/js/youtube.js:41 keep it up"
- Array(7) "good conten chrome-extension://f...nf/js/youtube.js:41 t, very helpful"
- Array(7) "Such a great chrome-extension://f...nf/js/youtube.js:41 video!"
- TypeAlert activated chrome-extension://f...nf/js/youtube.js:108
- Array(7) "Amazing vide chrome-extension://f...nf/js/youtube.js:41 o!"
- Array(7) "The best vid chrome-extension://f...nf/js/youtube.js:41

Give TypeAlert if the user types something toxic.

The screenshot shows a YouTube video player on the left and a Chrome DevTools console on the right. The video is titled "A presentation on CyberAlly web extension." and has 30 comments. The console displays the following log entries:

- What a f\$#cking sh*t video
- Array(7) "What a f\$#cking sh*t video"
- insult was found with chrome-extension://f...nf/js/youtube.js:44 probability of 0.8050039410591125
- obscene was found with chrome-extension://f...nf/js/youtube.js:44 probability of 0.9271566867828369
- toxicity was found with chrome-extension://f...nf/js/youtube.js:44 probability of 0.951910674571991
- Array(7) "WHat a f#4ck chrome-extension://f...nf/js/youtube.js:41 ing shit video"
- obscene was found with chrome-extension://f...nf/js/youtube.js:44 probability of 0.9179508090019226
- toxicity was found with chrome-extension://f...nf/js/youtube.js:44 probability of 0.9155201315879822
- Array(7) "this is a go chrome-extension://f...nf/js/youtube.js:41 od video very helpful"
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- Array(7) "good conten chrome-extension://f...nf/js/youtube.js:41 t, very helpful"
- Array(7) "Such a great chrome-extension://f...nf/js/youtube.js:41 video!"
- TypeAlert activated chrome-extension://f...nf/js/youtube.js:108
- Array(7) "Amazing vide chrome-extension://f...nf/js/youtube.js:41 o!"
- Array(7) "The best vid chrome-extension://f...nf/js/youtube.js:41

On Instagram, it analyses photos and superimpose 18+ images with a warning image and only reports pornographic images.



If an image is pornographic, then we are doing automated Reverse Image Search and showing links of all websites containing that pornographic image.

Rakshak	
/116359438_zzzz23253584560_394057544232010018_n.jpg?_nc_ht=instagram.fdoms-1.fna.fbcdn.net&_nc_cat=100&_nc_ohc=hjzfeFHLVwAX86pHC1&oh=919e5539c9dc9c6e40835b5473f4df6&oe=5F4FC365	bbayne_24
https://instagram.fdoms-1.fna.fbcdn.net/v/t51.2885-15/sh0.08/e35/c0.156.1440.1440/a640x640	
/111153506_661427632589127_3557245845169636433_n.jpg?_nc_ht=instagram.fdoms-1.fna.fbcdn.net&_nc_cat=107&_nc_ohc=LTO3BEknsWAX-cceNC&oh=f9e3cd547a06dccc67cb1d5bc93e94b9&oe=5F4EBC87	angelrat96
	https://www.macys.com/shop/womens-clothing/panties?id=55805
	https://www.barenessentials.com/Panties_catalog_nxs,32.htm
https://pbs.twimg.com/media/EdtXG3XSAAPCz?format=jpg&name=medium	@VirtualGeishaaa
	https://twitter.com/virtualgeishaaa?lang=en
	https://twitter.com/mrunikonewenguy?lang=en
	https://twitter.com/kutarorivas
	https://twitter.com/VirtualGeishaaa/status/1286730273657364480
	https://twitter.com/virtualgeishaaa?lang=pt
	https://www.etsy.com/market/rachel_amber_cosplay
	https://twitter.com/ri_care/status/1284210131442573313
	https://www.pinterest.at/pin/4756933979806240/
https://pbs.twimg.com/media/EdJuQpVXoAEZPoY?format=jpg&name=large	@ri_care
	https://www.reddit.com/r/RICare/comments/d518c3/life_is_strange_rachel_amber/
	https://twitter.com/ri_care/status/1173599471191571712
	https://twitter.com/lunaraecosplay/status/1284241010445484038
	https://twitter.com/gumiho_arts/status/1173600995223511042?lang=en
	https://www.grammarly.com/blog/photoshoot/
	https://twitter.com/freya_helrosa/status

Dashboard

It will be a password protected dashboard. All information are shown below here in real time. It shows information like top trollers, reported pornographic images.

Rakshak

Dashboard

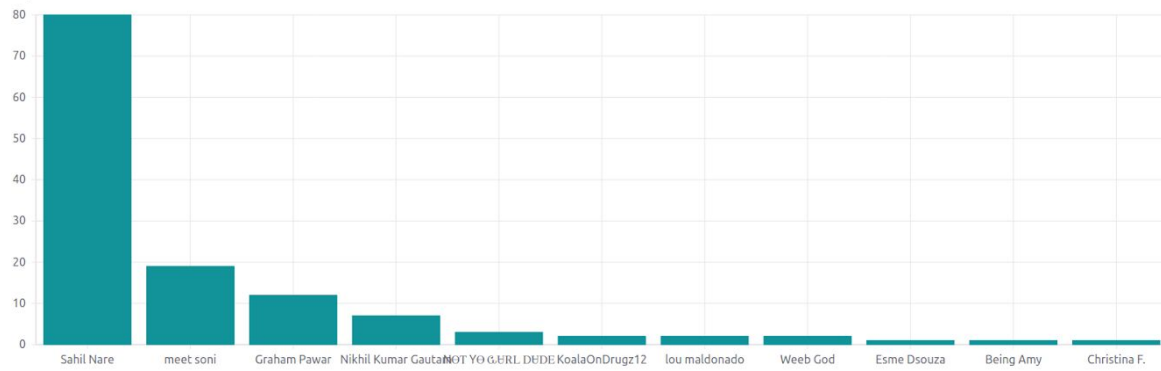
[Infographics](#) [Comments Table](#) [Images Table](#)

The figure consists of two pie charts. The left chart, titled 'Top toxic commenters on Youtube:', shows the distribution of toxic comments by source. The right chart shows the distribution of toxic comments by type.

Platform	Percentage
Twitter	~65%
Facebook	~35%
Youtube	~0%

Type	Percentage
Threat	~15%
Sexual Explicit	~25%
Severe Toxicity	~15%
Obscene	~10%
Insult	~10%
Identity Attack	~10%
Toxicity	~15%

Top toxic commenters on Youtube:



Top toxic commenters on Twitter:



Android Application

Not completely built yet