

ANTI CYBER-BULLYING BOT

Team #41:Serial Coders

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Abstract :

Cyber bullying is an enormous problem faced by people across all age groups on the web. Despite several measures being taken to curb cyber bullying, the efforts of cyber police usually go in vain. Cyber bullying manifests itself in different forms. Hacking into someone's profile and leaking sensitive, personal content, being an impostor, spreading false information that could defame a person or a group, introducing bugs and malware to gain control of the person's device and use that further to get their way. A common type of cyber bullying that children fall prey to is the use of offensive language and posting negative comments with the aim of shattering the victim's image. Consequences of such acts include harm to both the physical and psychological well being of the victim.

Our aim is to develop a bot that detects the use of such offensive language and passing of derogatory comments. Depending on the extent of the language used, the application on which the bot is deployed, will take suitable actions against the offender. With the

help of Deep Learning algorithms and open source libraries for the same, the bot will be built so as to be easily deployed on multiple platforms. In this prototype we'll be implementing our model on discord, using discordjs. There will be a bot in the server which can read all incoming messages and take actions accordingly.

Tech Stack:

- Open source python libraries for machine learning and deep learning
- Keras models
- node.js : runtime for our js code
- discordjs : a powerful node.js module that allows us to interact with the Discord API very easily.
- Languages – Python, JavaScript