

# **BullyNet: Unmasking Cyberbullies**

## **on Social Networks**

### **ABSTRACT:**

One of the most harmful consequences of socialmedia is the rise of cyberbullying, which tends to be more sinisterthan traditional bullying, given that online records typicallylive on the Internet for quite a long time and are hard tocontrol. In this article, we present a three-phase algorithm,called BullyNet, for detecting cyberbullies on Twitter socialnetwork. We exploit bullying tendencies by proposing a robustmethod for constructing a cyberbullying signed network (SN).We analyze tweets to determine their relation to cyberbullyingwhile considering the context in which the tweets exist in orderto optimize their bullying score. We also propose a centralitymeasure to detect cyberbullies from a cyberbullying SN and showthat it outperforms other existing measures. We experiment ona data set of 5.6 million tweets, and our results show that theproposed approach can detect cyberbullies with high accuracywhile being scalable with respect to the number of tweets.

## **SYSTEM REQUIREMENTS:**

### **HARDWARE REQUIREMENTS:**

- System : Pentium i3 Processor.
- Hard Disk : 500 GB.
- Monitor : 15” LED
- Input Devices : Keyboard, Mouse
- Ram : 4 GB

### **SOFTWARE REQUIREMENTS:**

- Operating system : Windows 10.
- Coding Language : Java
- Web Framework : Flask

### **REFERENCE:**

A. S. Srinath, H. Johnson, G. G. Dagher and M. Long, "BullyNet: Unmasking Cyberbullies on Social Networks," in IEEE Transactions on Computational Social Systems, vol. 8, no. 2, pp. 332-344, April 2021, doi: 10.1109/TCSS.2021.3049232.