

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211009400 A

(19) INDIA

(22) Date of filing of Application :22/02/2022

(43) Publication Date : 25/11/2022

(54) Title of the invention : CHIP TO DETECT OFFENSIVE CONTENT ON SERVER

(51) International classification :H04L0029060000, H04L0012580000, G06N0020000000, H04N0021854700, G06F0040300000

(86) International Application No :NA  
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA  
Filing Date :NA

(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
**1)Chitkara University**  
 Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. -----

**2)Chitkara Innovation Incubator Foundation**  
**Name of Applicant : NA**  
**Address of Applicant : NA**

(72)Name of Inventor :  
**1)DHILLON, Gulshan**  
 Address of Applicant :Department of Applied Sciences, Chitkara University Institute of Engineering & Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jansla, Rajpura, Punjab - 140401, India. -----

**2)CHITKARA, Mansi**  
 Address of Applicant :Department of Mechanical Engineering, Chitkara University Institute of Engineering & Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jansla, Rajpura, Punjab - 140401, India. -----

**3)GARG, Pranav**  
 Address of Applicant :Department of Computer Science & Engineering, Chitkara University Institute of Engineering & Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jansla, Rajpura, Punjab - 140401, India. -----

**4)PRANAV**  
 Address of Applicant :Department of Computer Science & Engineering, Chitkara University Institute of Engineering & Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jansla, Rajpura, Punjab - 140401, India. -----

(57) Abstract :

The present disclosure relates to chip (100) to detect offensive content on a server, the chip is similar to a pen-drive that enables a user to attach the chip (100) with the server easily. In addition, the chip is dual-sided, USB on one end and a type C connector on the other end, and usable to a wide variety of user devices to provide two factor authentication. The message content i.e. all the data transmitted to the server, firstly rerouted to the chip, which analyse the message content using natural language and machine learning techniques, and upon detection of offensive content or hate speech , discard uploading of the message content on the server. The server may be a university local server, or server of any organisation.

No. of Pages : 21 No. of Claims : 7