



Suspicious and Terror Message Detection Using NLP and Web Mining

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ABSTRACT

Terrorism has increased its roots quite deep in certain parts of the world as identified internet is a major source of spreading terrorism through speeches and videos. Terrorist organizations use internet to brainwash individuals .so here to detect this we use our system which works on principle of web mining, natural language processing(NLP) and supervised learning algorithm to analyse textual data of different web pages and detect patterns, keywords and relevant information in unstructured texts in web pages and messages and after detection taking appropriate action against the web page.

Keywords: EU (European union) ,NLP(natural language processing)

1. PRROBLEM STATEMENT

There was always a need of an efficient system that is capable that can detect terrorism and can take timely actions against the source which is responsible for spreading terrorism but their never ever existed a good system and the system which were present had some problems.

Some of the problems are stated in the following:

- The current systems were not that efficient and even had difficulty in categorise different web pages.
- Not much user friendly.
- Lacking in real time processing and updating the data.

2. SOLUTION TO THE PROBLEM

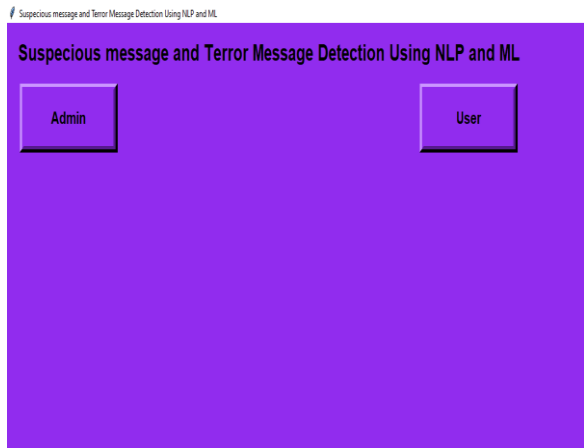
Stopping foreign terrorist fighters since 2015, there has been an increase in religiously-inspired terrorist attacks in the EU and around 5000 individuals from the EU are believed to have travelled to conflict areas in Syria and Iraq to join jihadist terrorist groups. In order to criminalize acts such as undertaking training or travelling for terrorist purposes, as well as organizing or facilitating such travel, Europe has placed EU-wide legislation on terrorism that, together with new controls at external borders, will help to tackle the foreign fighter phenomenon. Their was a drop of foreign terrorist fighters significantly since 2015 and as IS gets weaker, it has started urging their followers to carry out lone actor type attacks in their home states or countries, rather than travel to the so-called caliphate. Setting up the exchange of information:

- Criminals and terrorists often use multiple ways and false identities to evade border guards and the police. This highlights the importance of effective information sharing between the relevant authorities - law enforcement, judicial, intelligence - in the member states.
- In 2018 new rules to strengthen the Schengen information system were agreed, introducing new types of alerts for cases related to terrorist activities. The database allows police and border guards to enter and consult alerts on wanted or missing persons and lost or stolen property.
- To use existing and future databases in a more intelligent efficient and targeted way, the EU information systems that help to manage the borders, security and migration should allow exchange of data. This new interoperability should become operational and should me made to use after 2023 and provide a single interface for all searches, and biometric matching service as well to facilitate identification.
- Finally cutting the finances sources of terrorist because we all know if their is no funding then these terrorist organization will not be able to run their operations.

3. PROPOSED SOLUTION

- We have used web mining algorithms(for twitter) to mine or collect textual information on web pages and to detect their relevancy to terrorism.
- Websites created in different platform can be analysed using this software by making a text file of the content which they have and then processing that file using the software.
- This system will check selected data from web pages is promoting terrorism or not.
- This system will classify the web pages into different categories and to arrange them appropriately.
- natural language processing, supervised learning data mining and web mining are used in this system.
- Data mining is a the technique which is used to mine out patterns of useful data from large data sets and make the most use of the obtained results.
- Web mining also consists of text mining methodologies that allow us to scan and extract useful content from unstructured data like messages, email etc.
- Supervised learning algorithm and natural language processing web mining are used together at times for efficient system development.

- System will track web pages and messages that are more susceptible to terrorism and will report to the user who is using the system.
- This System are used only by the government officials or agencies who work for country security.
- System will help the cops and other bodies of government to easily track the susceptible community who are held in terrorism
- Screen shots of proposed system



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4. CONCLUSION

- Drastic drop in people joining terrorism will happen.
- Economy of all the countries will increase.
- The Fear and anxiety which was caused due to terrorism will also reduce.
- Day to day Living standards of people will increase.
- Most important betterment of safety and health of people.

5. REFERENCES

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