**PRFAQ**

**Press release**

**Introducing Fake News Detector**

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***An easy-to-use mobile application that helps online readers to  recognize the fake news in less than a minute with an accuracy of 90% , all with just an internet connection!***

[1] A Gartner’s research predicts that “By 2022, most people in mature economies will consume more false information than true information”.  Our product is easy to use, as you will just have to select the text and leave it to the system to calculate the authenticity of it. After the system internally runs several algorithms and iterations, you will see an estimate of how likely (in percentage) the article is expected to be fake. The exponential increase in the production and distribution of inaccurate news is one of the main cause of mass chaos for example, several fake remedies were circulated as treatment for COVID-19 patients, situations like these present an immediate need for automatically tagging and detecting such forged news articles. Fake news is a form of false information consisting of disinformation (deliberate or unintentional) spread via traditional news or social media. Hence, we attempt to restrict the spread of it via digital medium by building a fake news detector.

This product can be used by an individual or an organization that is interested to know whether the news propagated is real or fake. This product is expanded across different segments of news such as sports, entertainment, and business and hence can predict any such category. It is built on a machine learning model that can detect fake news and classify it from the real ones with an accuracy of ~90%.

**It’s easy to use:**

* Customers just type in the text of an article in the text-box of the detector (Could be in a mobile app or the web-portal) or just select it by having a plug-in installed and the detector internally performs its complex computations and algorithms to determine the likelihood of the information being fake.
* For instance, having the chrome plugin installed, you want to check the credibility of a post which claims to have invented a medicine for COVID while browsing Facebook. You just select that article and the system automatically processes it to give you the likeliness of it being fake in seconds.

**90% accurate:**

* This detector is trained on multiple sources like magazine and newspaper articles, blogs, and tweets. Also, several algorithms (SVM, Logistic regression and Random Forest) have been used for testing this model which takes its accuracy to 90% while being extremely robust

**Gives result in a minute:**

* Techniques like multi-threading have been implemented to help the customer get a response within a minute

**High efficiency:**

* The model is designed in such a way that it can handle multiple structured inputs in a quick succession of time giving users flexibility of verifying up to 8 articles in a minute. Hence, it’s a quick and effective solution for organizations.

**Easily available:**

* This fake news detector will be available on a website and as a browser extension. Once the plug-in is turned on, the system will automatically detect the news while the article is on screen.
* Simply, while browsing twitter there will be highlight above every tweet with its likeliness of being fake because of the feature of automatic detection.

Reference:

[1] Thota, Aswini; Tilak, Priyanka; Ahluwalia, Simrat; and Lohia, Nibrat (2018) "Fake News Detection: A Deep Learning Approach," *SMU Data Science Review*: Vol. 1: No. 3, Article 10.