

A
Project Report
On
**FAKE NEWS DETECTION BY
NAÏVE BAYES CLASSIFIER USING MACHINE LEARNING**
Submitted to

Department of
Computer Science and Engineering

By

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CERTIFICATE

This is to certify that the project entitled “**FAKE NEWS DETECTION BY NAÏVE BAYES CLASSIFIER USING MACHINE LEARNING**” is submitted by KOTHA RAHITHYA(206Y1A0548), KAPPALA SRILATHA(206Y1A0539), RUPIREDDY AKSHAYA(206Y1A0584) and POLUDASU JAYA SRI(206Y1A0574) to the department of Computer Science and Engineering during academic year 2022-23.

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ABSTRACT

In our Modern era wherever the web is omnipresent, everyone depends on various on-line resources like Facebook, Twitter, etc. Fake news, made up stories that have been reported as real events, has become a new form of misinformation. These days a lot of information is being shared over social media and we are not able to differentiate between which information is fake and which is real. People immediately start expressing their concern or sharing their opinion as soon as they come across a post, without verifying its authenticity. This further results in spreading of it. Fake news leads to convince the reader to believe fake information which proves these articles difficult to read. Fake news detection problem can be solved by the help of Machine Learning algorithms. Moreover, spammers use appealing news headlines to come up with revenue mistreatment advertisements via click-baits. So, we tend to develop an NLP fake news detector by using python libraries like scikit learn, NumPy, pandas. Only by building a model based on a count vectorizer or a TF-IDF (Term Frequency - Inverse Document Frequency) matrix, can only get you so far. But these models do not consider the important qualities like word ordering and context. So, we tend to use Multinomial Naive Bayes Classifier that offer 95% accuracy.



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