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Real and Fake News Detection Smart System Using Passive Aggressive Algorithm (Supervised Machine Learning)

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Abstract: Today where the internet is ubiquitous, everyone intake news from various online platforms. Along with the increase in the use of social media platforms like Facebook, Twitter, etc. News spread rapidly among millions of users within a very short spam of time. The spread of fake news has far-reaching consequences like the creation of biased opinions to swaying election outcomes for the benefit of certain candidates. Moreover, spammers use appealing news headlines to generate revenue using advertisements via clickbaits. In this paper, we aim to perform binary classification of various news articles available online with the help of concepts pertaining to Artificial Intelligence, Natural Language Processing and Machine Learning(Supervised ML). Our aim is to provide the news is authentic or fake.

Keywords: Machine Learning, Raspberry Pi

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