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Fake News Detection Using Long Short-Term Memory

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Abstract: *The Fake News Detection Website automatically detects and categorizes news stories as either authentic or fraudulent using machine learning algorithms. This platform uses cutting-edge methods in machine learning and natural language processing (NLP) and LSTM to try to counteract the fast spread of false information on the internet. The website looks for differences that could be signs of false news by analyzing news stories based on textual characteristics including tone, word choice, and sentence structure. It uses a range of machine learning models that have been trained on big datasets of both real and fake news. The website allows users to submit articles, and it will provide a categorization label (genuine or fraudulent) and an explanation of the classification choice. Better identification and response to emerging forms of fake news are made possible by the system's ongoing improvement through user feedback. Additionally, the platform promotes critical thinking and increases awareness of false information. The website seeks to support a more reliable and knowledgeable digital environment by offering an easily navigable tool for assessing the reliability of news material.*

Keywords: Fake News Detection

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