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A Complete System for Identifying False News Through Image Classification and Natural Language Processing

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Abstract: *Confusion and false information are spread by fake news. This study employs machine learning and deep learning methods based on text and image data to identify bogus news. We classify news as real or fake using deep learning models and Natural Language Processing (NLP) techniques. Furthermore, the authenticity of images can be confirmed by image-based classification that makes use of pre-trained models. Our findings demonstrate the efficacy of integrating text and picture analysis, demonstrating encouraging accuracy in detecting bogus news*

Keywords: Natural language processing (NLP), text categorization, picture verification, machine learning, deep learning, hybrid detection system, and fake news detection

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