Fake News Detection: A Study

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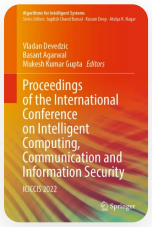

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Sainyali Trivedi, Mayank Kumar Jain, Dinesh Gopalani, Yogesh Kumar Meena & Yogendra Gupta

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Abstract

The struggle of organisations from all fields to find practical answers for identifying online-based fake news is a prevalent problem right now. The news is published on news Websites, which act as official sources. Social media has drawn the attention of individuals from all over the world who use it to disseminate fake news because of its accessibility, cost, and ease of information exchange. Because people are unable to distinguish between true and misleading information, fake news weakens the logic of the truth, endangering democracy, journalism, and public confidence in political institutions. To sustain strong Internet media and informal organisations, fake news detection must be automated. The manual method is now impractical, slow, expensive, very subjective, and biased due to the vast quantity of data that is available on social networks. As a result, an interesting and fruitful area of research is automated data categorisation. ML and DL algorithms are by far the best way for fake news detection. This study provided an exhaustive, insightful, and empirical assessment encompassing all AI strategies for the recognising fake news, including reinforcement learning, ensemble learning, unsupervised learning, supervised learning, and semi-supervised learning.

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Author information

Authors and Affiliations

Department of Computer Science and Engineering, Swami Keshvanand Institute of Technology Management and Gramothan, Jaipur, 302017, Rajasthan, India
Sainyali Trivedi & Yogendra Gupta

Department of Computer Science and Engineering, Malaviya National Institute of Technology, Jaipur, 302017, Rajasthan, India
Mayank Kumar Jain, Dinesh Gopalani & Yogesh Kumar Meena

Corresponding author

Correspondence to Sainyali Trivedi .

Editor information

Editors and Affiliations

Serbian Academy of Sciences and Arts, Belgrade, Serbia
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