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(57) Abstract :

The invention discloses an AI-enabled framework for detecting fake online news sources, comprising modules for input acquisition (101), preprocessing (102), NLP analysis (103), metadata analysis (104), propagation tracking (105), reputation scoring (106), classification (107), and output visualization (108). The system integrates linguistic, contextual, and behavioral analysis to generate real-time trustworthiness scores and classification results. Adaptive machine learning ensures continuous evolution, while explainable AI enhances user confidence. The invention provides a robust, scalable, and transparent solution for mitigating misinformation across digital platforms.

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