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(57) Abstract :

The invention discloses an AI-enabled model (100) for detecting social media misinformation through multimodal and contextual analysis. The system comprises an input module (101), preprocessing unit (110), NLP engine (120), knowledge graph verifier (130), multimodal analyzer (140), sentiment-intent module (150), credibility scorer (160), and output interface (170). By integrating real-time fact-checking, sentiment analysis, and explainable AI mechanisms, the invention ensures accurate detection of misinformation across text, images, and videos, thereby enhancing digital trust, transparency, and reliability of online information ecosystems.

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