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(57) Abstract :
The invention discloses an AI-based framework for detecting online shopping frauds, comprising a transaction data input module (101), preprocessing unit (102), feature extraction module (103), fraud detection engine (104), natural language processing module (105), risk scoring unit (106), device fingerprinting (107), geolocation tracking (108), and decision-making output module (109). The system applies machine learning and natural language processing techniques for anomaly detection, risk scoring, and fraud classification. It enhances transaction security, minimizes false positives, adapts to evolving fraud patterns, and ensures scalable, real-time fraud prevention in e-commerce platforms.

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