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(57) Abstract :

The invention relates to an AI-enabled tool (100) for detecting abnormalities in financial data (110). The system integrates modules including data ingestion (120), preprocessing (130), AI engine (140), anomaly scoring (150), alert generation (160), explainability (170), and compliance (190). It dynamically adapts to evolving fraud patterns, minimizes false positives, and provides interpretable outputs for regulatory compliance. The invention offers scalable, real-time detection of suspicious transactions across diverse financial platforms, thereby ensuring secure, reliable, and compliant financial operations.

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