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(57) Abstract :

The present invention discloses an AI-enabled system (100) for real-time stock price forecasting, comprising a data acquisition module (105), deep learning engine (110), sentiment analysis engine (120), forecasting unit (125), and user dashboard (130). The system integrates live market data, historical records, and unstructured financial text to deliver accurate forecasts. By employing adaptive learning mechanisms and natural language processing, the system continuously improves prediction accuracy. The invention enables traders and institutions to make informed financial decisions with reliability, scalability, and real-time visualization support.

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