(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/06/2025

(21) Application No.202511061508 A
(43) Publication Date : 25/07/2025

(54) Title of the invention : AN AI-POWERED SYSTEM FOR BLOCKCHAIN DATA ANALYSIS, FRAUD DETECTION, AND PREDICTIVE INSIGHTS

(51) International classification	:H04L0009000000, G06N0020000000, H04L0009400000, H04L0009320000, G06N0020200000
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(57) Abstract :
Disclosed herein is an AI-powered system for blockchain data analysis, fraud detection, and predictive insights (100) comprises a blockchain data collection module (102) configured to obtain transaction data from one or more blockchain networks. The system also includes a preprocessing module (104) configured to clean, normalize, and transform the collected data into a format suitable for machine learning analysis. The system also includes a feature engineering module (106) configured to extract relevant features from the blockchain data. The system also includes a machine learning model module (108) configured to apply at least one of the following algorithms: supervised learning, unsupervised learning, anomaly detection, regression, and time-series forecasting, to analyze the blockchain data for trends, patterns, anomalies, and predictive insights. The system also includes a privacy-preserving mechanism (110) configured to ensure confidentiality of sensitive transaction data using techniques.

No. of Pages : 29 No. of Claims : 10