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**Editor-in-Chief**

**Discover Artificial Intelligence**

Dear Editor-in-Chief,

I am delighted to submit our research paper entitled "Comparing Different Machine Learning Algorithms in a Stock Market Scenario to Check Which One Has the Highest Efficiency" for consideration for publication in Discover Artificial Intelligence. This manuscript represents original research conducted by Garima Chandore, Anusha Jain, Jayesh Dave, Sanket Porwal, and Utsav Jain from the Department of Computer Science & Engineering at Medi-Caps University, Indore (M.P).

Our study, conducted in the field of data science and analytics, explores the application of machine learning algorithms in predicting stock market trends and performance. Through comprehensive experimentation and analysis, we compare the efficiency of Long Short-Term Memory (LSTM), Support Vector Regression (SVR), Random Forest Regressor, and Autoregressive Integrated Moving Average (ARIMA) algorithms in forecasting stock market behaviour.

The findings of our research offer valuable insights into the effectiveness of these machine learning algorithms in the stock market domain. We believe that our study contributes to advancing the understanding of data-driven approaches to stock market analysis and decision-making.

We confirm that this manuscript has not been published elsewhere and is not currently under review by any other journal.

We have carefully reviewed the submission guidelines of Discover Artificial Intelligence and believe that our research aligns well with the journal's focus on data science, analytics, and related areas.

Thank you for considering our manuscript for publication. We are confident that our findings will be of interest to the readership of Discover Artificial Intelligence.

Sincerely,

Jayesh Dave