

## DAFTAR PUSTAKA

- [1] P. Pagariya, S. Shinde, R. Shivpure, S. Patil, and A. Jarali, "Cryptocurrency Analysis and Forecasting," in *2022 2nd Asian Conference on Innovation in Technology (ASIANCON)*, 2022, pp. 1–6. doi: 10.1109/ASIANCON55314.2022.9909168.
- [2] A. Aggarwal, I. Gupta, N. Garg, and A. Goel, "Deep Learning Approach to Determine the Impact of Socio Economic Factors on Bitcoin Price Prediction," in *2019 Twelfth International Conference on Contemporary Computing (IC3)*, 2019, pp. 1–5. doi: 10.1109/IC3.2019.8844928.
- [3] T. Phaladisailoed and T. Numnonda, "Machine Learning Models Comparison for Bitcoin Price Prediction," in *2018 10th International Conference on Information Technology and Electrical Engineering (ICITEE)*, 2018, pp. 506–511. doi: 10.1109/ICITEED.2018.8534911.
- [4] Z. Shahbazi and Y.-C. Byun, "Improving the Cryptocurrency Price Prediction Performance Based on Reinforcement Learning," *IEEE Access*, vol. 9, pp. 162651–162659, 2021, doi: 10.1109/ACCESS.2021.3133937.
- [5] I. Fadil, M. A. Helmiawan, and Y. Sofiyana, "Optimization Parameters Support Vector Regression using Grid Search Method," in *2021 9th International Conference on Cyber and IT Service Management (CITSM)*, 2021, pp. 1–5. doi: 10.1109/CITSM52892.2021.9589028.
- [6] J. Chen, "Analysis of Bitcoin Price Prediction Using Machine Learning," *J. Risk Financ. Manag.*, vol. 16, no. 1, 2023, doi: 10.3390/jrfm16010051.
- [7] A. Singh, A. Kumar, and Z. Akhtar, "Bitcoin Price Prediction: A Deep Learning Approach," in *2021 8th International Conference on Signal Processing and Integrated Networks (SPIN)*, 2021, pp. 1053–1058. doi: 10.1109/SPIN52536.2021.9565988.
- [8] D. R. Pant, P. Neupane, A. Poudel, A. K. Pokhrel, and B. K. Lama, "Recurrent Neural Network Based Bitcoin Price Prediction by Twitter Sentiment Analysis," in *2018 IEEE 3rd International Conference on Computing, Communication and Security (ICCCS)*, 2018, pp. 128–132. doi: 10.1109/CCCS.2018.8586824.
- [9] H. V. K. S. Buddana, S. S. Kaushik, P. V. S. Manogna, and S. K. P.S., "Word Level LSTM and Recurrent Neural Network for Automatic Text Generation," in *2021 International Conference on Computer Communication and Informatics (ICCCI)*,

- 2021, pp. 1–4. doi: 10.1109/ICCCI50826.2021.9402488.
- [10] Y. Hua, “Bitcoin price prediction using ARIMA and LSTM,” *E3S Web Conf.*, 2020, [Online]. Available: <https://api.semanticscholar.org/CorpusID:234616966>
- [11] P. L. Seabe, C. R. B. Moutsinga, and E. Pindza, “Forecasting Cryptocurrency Prices Using LSTM, GRU, and Bi-Directional LSTM: A Deep Learning Approach,” *Fractal Fract.*, vol. 7, no. 2, 2023, doi: 10.3390/fractalfract7020203.
- [12] H. Dhake, Y. Kashyap, and P. Kosmopoulos, “Algorithms for Hyperparameter Tuning of LSTMs for Time Series Forecasting,” *Remote Sens.*, vol. 15, no. 8, 2023, doi: 10.3390/rs15082076.
- [13] M. Ulina, R. Purba, and A. Halim, “Foreign Exchange Prediction using CEEMDAN and Improved FA-LSTM,” in *2020 Fifth International Conference on Informatics and Computing (ICIC)*, 2020, pp. 1–6. doi: 10.1109/ICIC50835.2020.9288615.
- [14] T. T. Nguyen, N. V. Quynh, and L. Van Dai, “Improved firefly algorithm: A novel method for optimal operation of thermal generating units,” *Complexity*, vol. 2018, 2018, doi: 10.1155/2018/7267593.
- [15] K. Chen, R. Purba, and A. Halim, “Stock Price Prediction Using XCEEMDAN-Bidirectional LSTM -Spline,” *Indones. J. Artif. Intell. Data Min.*, vol. 5, no. 1, p. 1, May 2022, doi: 10.24014/ijaidm.v5i1.14424.
- [16] M. Jia, J. Huang, L. Pang, and Q. Zhao, “Analysis and Research on Stock Price of LSTM and Bidirectional LSTM Neural Network,” 2019.
- [17] A. H. Al-Nefaie and T. H. H. Aldhyani, “Bitcoin Price Forecasting and Trading: Data Analytics Approaches,” *Electron.*, vol. 11, no. 24, 2022, doi: 10.3390/electronics11244088.
- [18] R. Albariqi and E. Winarko, “Prediction of Bitcoin Price Change using Neural Networks,” in *2020 International Conference on Smart Technology and Applications (ICoSTA)*, 2020, pp. 1–4. doi: 10.1109/ICoSTA48221.2020.1570610936.
- [19] S. Yogeshwaran, M. J. Kaur, and P. Maheshwari, “Project Based Learning: Predicting Bitcoin Prices using Deep Learning,” in *2019 IEEE Global Engineering Education Conference (EDUCON)*, 2019, pp. 1449–1454. doi: 10.1109/EDUCON.2019.8725091.
- [20] S. Ray, “A Quick Review of Machine Learning Algorithms,” in *2019 International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COMITCon)*, 2019, pp. 35–39. doi: 10.1109/COMITCon.2019.8862451.
- [21] I. H. Sarker, “Machine Learning: Algorithms, Real-World Applications and Research

- Directions,” *SN Comput. Sci.*, vol. 2, no. 3, pp. 1–21, 2021, doi: 10.1007/s42979-021-00592-x.
- [22] M. H. Mishal *et al.*, “Prediction of Cryptocurrency Price using Machine Learning Techniques and Public Sentiment Analysis,” in *2022 25th International Conference on Computer and Information Technology (ICCIT)*, 2022, pp. 657–662. doi: 10.1109/ICCIT57492.2022.10055524.
- [23] S. Heddami *et al.*, “Chapter 11 - A long short-term memory deep learning approach for river water temperature prediction,” in *Current Trends and Advances in Computer-Aided Intelligent Environmental Data Engineering*, G. Marques and J. O. Ighalo, Eds., in *Intelligent Data-Centric Systems*. Academic Press, 2022, pp. 243–270. doi: <https://doi.org/10.1016/B978-0-323-85597-6.00015-X>.
- [24] L. Song, R. Wang, D. Xiao, X. Han, Y. Cai, and C. Shi, “Anomalous Trajectory Detection Using Recurrent Neural Network,” in *Advanced Data Mining and Applications*, G. Gan, B. Li, X. Li, and S. Wang, Eds., Cham: Springer International Publishing, 2018, pp. 263–277.
- [25] T. Peng, C. Zhang, J. Zhou, and M. S. Nazir, “An integrated framework of Bi-directional long-short term memory (BiLSTM) based on sine cosine algorithm for hourly solar radiation forecasting,” *Energy*, vol. 221, p. 119887, 2021, doi: <https://doi.org/10.1016/j.energy.2021.119887>.
- [26] C. Li, X. Wang, Y. Hu, Y. Yan, H. Jin, and G. Shang, “Forecasting shipping index using CEEMD-PSO-BiLSTM model,” *PLoS One*, vol. 18, no. 2, pp. 1–22, 2023, doi: 10.1371/journal.pone.0280504.
- [27] X. Han and F. Qi, “Network Traffic Forecasting Using IFA-LSTM,” no. 10, pp. 681–692, 2020, doi: 10.1007/978-3-030-14680-1.
- [28] Y. Li, Y. Zhao, Y. Shang, and J. Liu, “An improved firefly algorithm with dynamic self-adaptive adjustment,” *PLoS One*, vol. 16, no. 10, p. e0255951, 2021, doi: 10.1371/journal.pone.0255951.
- [29] A. Tazi, Z. Sabiri, N. Belbounaguia, K. El Mkaddem, and M. Bezza, “Firefly Algorithm for Solving Load Flow Problem,” in *2018 Renewable Energies, Power Systems & Green Inclusive Economy (REPS-GIE)*, 2018, pp. 1–5. doi: 10.1109/REPSGIE.2018.8488871.
- [30] A. Murillo-Suarez and F. Martinez-Rios, “A new heuristic with a multi-threaded implementation of a modified Firefly Algorithm,” *EAI Endorsed Trans. Energy Web*, vol. 7, no. 29, 2020, doi: 10.4108/eai.13-7-2018.163984.

- [31] M. E. Çimen, Z. Garip, A. F. Boz, and D. Karayel, "Firefly Algorithm and Particle Swarm Optimization for photovoltaic parameters identification based on single model," in *2018 2nd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT)*, 2018, pp. 1–5. doi: 10.1109/ISMSIT.2018.8567288.
- [32] J. Ahammed, A. Swathi, D. Sanku, C. Vedula, and H. Ramesh, "Performance of Firefly Algorithm for Null Positioning in Linear Arrays," 2018, pp. 383–391. doi: 10.1007/978-981-10-4280-5\_40.
- [33] S. Pasak and R. Jayadi, "Investment Decision on Cryptocurrency: Comparing Prediction Performance Using ARIMA and LSTM," *J. Inf. Syst. Informatics*, vol. 5, no. 2, pp. 407–427, May 2023, doi: 10.51519/journalisi.v5i2.473.
- [34] L. Yang and A. Shami, "On hyperparameter optimization of machine learning algorithms: Theory and practice," *Neurocomputing*, vol. 415, pp. 295–316, 2020, doi: 10.1016/j.neucom.2020.07.061.
- [35] K. E. Hoque and H. Aljamaan, "Impact of Hyperparameter Tuning on Machine Learning Models in Stock Price Forecasting," *IEEE Access*, vol. 9, pp. 163815–163830, 2021, doi: 10.1109/ACCESS.2021.3134138.
- [36] X. Ying, "An Overview of Overfitting and its Solutions," *J. Phys. Conf. Ser.*, vol. 1168, no. 2, p. 22022, Feb. 2019, doi: 10.1088/1742-6596/1168/2/022022.
- [37] H. G. B and S. N. B, "Cryptocurrency Price Prediction using Twitter Sentiment Analysis," in *Natural Language Processing, Information Retrieval and {AI}*, Academy and Industry Research Collaboration Center ({AIRCC}), Feb. 2023. doi: 10.5121/csit.2023.130302.