Journal Articles

1. **Amin, A.**, Adnan, A., & Anwar, S. (2023). An adaptive learning approach for customer churn prediction in the telecommunication industry using evolutionary computation and Naïve Bayes. *Applied Soft Computing*, Vol. 137, 110103. https://doi.org/10.1016/j.asoc.2023.110103
2. Gul, H., Al-Obeidat, F., **Amin, A.**, Tahir, M., & Huang, K. (2022). Efficient link prediction model for real-world complex networks using matrix-forest metric with local similarity features. *Journal of Complex Networks*, *10*(5), cnac039.
3. Gul, H., Al-Obeidat, F., **Amin, A.**, Moreira, F., & Huang, K. (2022). Hill Climbing-Based Efficient Model for Link Prediction in Undirected Graphs. *Mathematics*, *10*(22), 4265.
4. Gul, H., **Amin, A.**, Adnan, A., & Huang, K. (2021). A systematic analysis of link prediction in complex network. *IEEE Access*, *9*, 20531-20541.
5. Ahmad, S., Anwar, M. S., Ebrahim, M., Khan, W., Raza, K., Adil, S. H., & Amin, A. (2020). Deep network for the iterative estimations of students' cognitive skills. *IEEE Access*, *8*, 103100-103113.
6. **Amin, A.**, Al-Obeidat, F., Shah, B., Tae, M. A., Khan, C., Durrani, H. U. R., & Anwar, S. (2020). Just-in-time customer churn prediction in the telecommunication sector. *The Journal of Supercomputing*, *76*, 3924-3948.
7. **Amin, A.**, Shah, B., Khattak, A. M., Moreira, F. J. L., Ali, G., Rocha, A., & Anwar, S. (2019). Cross-company customer churn prediction in telecommunication: A comparison of data transformation methods. *International Journal of Information Management*, *46*, 304-319.
8. Shah, S., Shah, B., **Amin, A.**, Al-Obeidat, F., Chow, F., Moreira, F. J. L., & Anwar, S. (2019). Compromised user credentials detection in a digital enterprise using behavioral analytics. *Future Generation Computer Systems*, *93*, 407-417.
9. Ahmad, S., Li, K., **Amin, A.**, & Khan, S. (2018). A novel technique for the evaluation of posterior probabilities of student cognitive skills. *IEEE Access*, *6*, 53153-53167.
10. **Amin, A.**, Al-Obeidat, F., Shah, B., Adnan, A., Loo, J., & Anwar, S. (2019). Customer churn prediction in telecommunication industry using data certainty. *Journal of Business Research*, *94*, 290-301.
11. **Amin, A.,** Anwar, S., Adnan, A., Nawaz, M., Alawfi, K., Hussain, A., & Huang, K. (2017). Customer churn prediction in the telecommunication sector using a rough set approach. *Neurocomputing*, *237*, 242-254.
12. **Amin, A.**, Shah, B., Anwar, S., Al-Obeidat, F., Khattak, A. M., & Adnan, A. (2018). A prudent based approach for compromised user credentials detection. *Cluster Computing*, *21*, 423-441.
13. **Amin, A.**, Anwar, S., Adnan, A., Nawaz, M., Howard, N., Qadir, J., Hawala, A., & Hussain, A. (2016). Comparing oversampling techniques to handle the class imbalance problem: A customer churn prediction case study. *Ieee Access*, *4*, 7940-7957.

14. Khan, C., Anwar, S., Bashir, S., Rauf, A., & **Amin, A**. (2015). Site selection for food distribution using rough set approach and TOPSIS method. *Journal of Intelligent & Fuzzy Systems*, *29*(6), 2413-2419.
15. Rauf, **Amin, A**., Mahfooz, S., & Khusro, S. (2013). The Performance of MapReduce Over the Varying Nature of Data. *Life Science Journal*, *10*(4).

Conference Papers

1. Zainab, Z., Al-Obeidat, F., Moreira, F., Gul, H., **Amin, A.** (2023). Comparative Analysis of Machine Learning Algorithms for Author Age and Gender Identification. In: Anwar, S., Ullah, A., Rocha, Á., Sousa, M.J. (eds) Proceedings of International Conference on Information Technology and Applications. Lecture Notes in Networks and Systems, vol 614. Springer, Singapore. https://doi.org/10.1007/978-981-19-9331-2_11
2. Al-Obeidat, F., Ishaq, M., Shuhaiber, A., & **Amin, A.** (2022, December). Twitter sentiment analysis to understand students' perceptions about online learning during the Covid'19. In *2022 International Conference on Computer and Applications (ICCA)* (pp. 1-7). IEEE.
3. Gul, H., Al-Obeidat, F., **Amin, A.**, Tahir, M., & Moreira, F. (2022). A systematic analysis of community detection in complex networks. *Procedia Computer Science*, *201*, 343-350.
4. **Amin, A.**, Shah, B., Abbas, A., Anwar, S., Alfandi, O., & Moreira, F. (2019). Features weight estimation using a genetic algorithm for customer churn prediction in the telecom sector. In *New Knowledge in Information Systems and Technologies: Volume 2* (pp. 483-491). Springer International Publishing.
5. Ahmad, S., Li, K., **Amin, A.**, Anwar, M. S., & Khan, W. (2018). A multilayer prediction approach for the student cognitive skills measurement. *IEEE Access*, *6*, 57470-57484.
6. Ahmad, S., Li, K., **Amin, A.**, & Faheem, M. Y. (2018, July). Simulation of student skills: The novel technique based on quantization of cognitive skills outcomes. In *2018 IEEE 17th International Conference on Cognitive Informatics & Cognitive Computing (ICCI* CC)* (pp. 97-102). IEEE.
7. **Amin, A.**, Shah, B., Khattak, A. M., Baker, T., & Anwar, S. (2018, July). Just-in-time customer churn prediction: With and without data transformation. In *2018 IEEE congress on evolutionary computation (CEC)* (pp. 1-6). IEEE.
8. **Amin, A.**, Anwar, S., Shah, B., & Khattak, A. M. (2017, February). Compromised user credentials detection using temporal features: A prudent based approach. In *Proceedings of the 9th International Conference on Computer and Automation Engineering* (pp. 104-110).
9. **Amin, A.**, Anwar, S., Adnan, A., Khan, M. A., & Iqbal, Z. (2015, November). Classification of cyber attacks based on rough set theory. In 2015 First International Conference on Anti-Cybercrime (ICACC) (pp. 1-6). IEEE.

10. **Amin, A.**, Rahim, F., Ali, I., Khan, C., & Anwar, S. (2015). A comparison of two oversampling techniques (smote vs mtdf) for handling class imbalance problem: A case study of customer churn prediction. In *New Contributions in Information Systems and Technologies: Volume 1* (pp. 215-225). Springer International Publishing.
11. **Amin, A.**, Rahim, F., Ramzan, M., & Anwar, S. (2015). A prudent based approach for customer churn prediction. In *Beyond Databases, Architectures and Structures: 11th International Conference, BDAS 2015, Ustroń, Poland, May 26-29, 2015, Proceedings 11* (pp. 320-332). Springer International Publishing.
12. **Amin, A.**, Shehzad, S., Khan, C., Ali, I., & Anwar, S. (2015). Churn prediction in telecommunication industry using rough set approach. *New trends in computational collective intelligence*, 83-95.

Book Chapters

1. Gul, H., **Amin, A.**, Nasir, F., Ahmad, S.J., Wasim, M. (2021). Link Prediction Using Double Degree Equation with Mutual and Popular Nodes. In: Rocha, Á., Adeli, H., Dzemyda, G., Moreira, F., Ramalho Correia, A.M. (eds) Trends and Applications in Information Systems and Technologies. WorldCIST 2021. Advances in Intelligent Systems and Computing, vol 1368. Springer, Cham. https://doi.org/10.1007/978-3-030-72654-6_32.
2. **Amin, A.**, Khan, C., Ali, I., & Anwar, S. (2014). Customer churn prediction in telecommunication industry: With and without counter-example. In *Nature-Inspired Computation and Machine Learning: 13th Mexican International Conference on Artificial Intelligence, MICAI 2014, Tuxtla Gutiérrez, Mexico, November 16-22, 2014. Proceedings, Part II 13* (pp. 206-218). Springer International Publishing.