

# Rafiullah Khan

## Journal Publications

1. Younas, Agha, Shazia Riaz, Saqib Ali, **Rafiullah Khan**, Mohib Ullah, and Daehan Kwak. "Stacked LSTM Model for Contextual Correlation Detection Among Multiple Emotions." IEEE Access (2025). **(3.4 Impact Factor)**.
2. Younas, Nazish, Shazia Riaz, Saqib Ali, **Rafiullah Khan**, Farman Ali, and Daehan Kwak. "Detecting malicious code variants using convolutional neural network (CNN) with transfer learning." PeerJ Computer Science 11 (2025): e2727. **(3.8 Impact Factor)**.
3. Fatima, Nayab, Shazia Riaz, Saqib Ali, **Rafiullah Khan**, Mohib Ullah, and Daehan Kwak. "Sensors Faults Classification and Faulty Signals Reconstruction Using Deep Learning." IEEE Access (2024). **(3.4 Impact Factor)**.
4. S. Zahir, **Rafi Ullah Khan**, M. Ullah, M. Ishaq, N. Dilshad et al., "Robust Counting In Overcrowded Scenes Using Batch-Free Normalized Deep Convnet," Computer Systems Science and Engineering, vol. 46, no.3, pp. 2741–2754, 2023. **(4.397 Impact Factor)**.
5. Sana Zahir, Arbab Waseem Abbas, **Rafi Ullah Khan**, Mohib Ullah (2023). Vision Sensor Assisted Fire Detection in IoT Environment using ConvNext. Journal of Artificial Intelligence and Systems, 5, 23–35. <https://doi.org/10.33969/AIS.2023050102>.
6. Akbar, M, Ullah, M, Shah, B, **Rafi Ullah Khan**, Hussain, T, Ali, F, Alenezi, F, Syed, I, and Kwak, K. "An Effective Deep Learning Approach for The Classification of Bacteriosis in Peach Leave". Frontiers in Plant Science, Vol 13, Nov 2022. **(6.627 Impact Factor)**.
7. Al-Buraihy, E, Dan, W, **Rafi Ullah Khan**, and Mohib Ullah. "An ML-Based Classification Scheme for Analyzing the Social Network Reviews of Yemeni People". International Arab Journal of Information Technology Vol: 16, No. (6) November 2022. **(0.967 Impact Factor)**
8. Gul, Shabana, **Rafi Ullah Khan**, Mohib Ullah, Roman Aftab, Abdul Waheed, and Tsu-Yang Wu. "Tanz-Indicator: A Novel Framework for Detection of Perso-Arabic-Scripted Urdu Sarcastic Opinions." Wireless Communications and Mobile Computing 2022 (2022). **(2.146 Impact Factor)**.
9. Ullah, Mohib, **Rafi Ullah Khan**, Irfan Ullah Khan, Nida Aslam, Sumayh S. Aljameel, Muhammad Inam Ul Haq, and Muhammad Arshad Islam. "Profile Aware ObScure Logging (PaOSLo): A Web Search Privacy-Preserving Protocol to Mitigate Digital Traces." Security and Communication Networks 2022. **(1.791 Impact Factor)**.
10. Ihsan, Imran, Mohib Ullah, **Rafi Ullah Khan**, et al. "SEAL: Semantically Enriched Authoring in LATEX—A Model for Scientific Discourse." IEEE Access 10 (2022): 13525-13535. **(4.06 Impact Factor)**.
11. Farooq, Umer, Mohib Ullah, **Rafi Ullah Khan**, et al. "IDBR: IoT Enabled Depth Base Routing Method for Underwater Wireless Sensor Network." Journal of Sensors 2021 **(3.576 Impact Factor)**.
12. Khan IU, **Khan Rafiullah**, et al. "Remote Diagnosis and Triaging Model for Skin Cancer Using EfficientNet and Extreme Gradient Boosting," Complexity, vol. 2021, 2021. **(2.462 Impact Factor)**.
13. Ullah M, **Khan Rafiullah**, et al. "Multi-Group ObScure Logging (MG-OSLo) A Privacy-Preserving Protocol for Private Web Search", Journal: IEEE Access. **(4.06 Impact Factor)**.
14. Shaheen M, **Khan Rafiullah**, Biswal R R, Ullah M, Khan A, Irfan M, "Acute Myeloid Leukemia (AML) Detection Using AlexNet Model" Journal: Complexity. **(2.462 Impact Factor)**.

15. Ullah R, Abbas A W, Ullah M, **Khan Rafiullah**, Aslam N, Aljameel S, Ullah I. "EEWMP: An IoT Based Energy Efficient Water Management Platform for Smart Irrigation", Journal: Scientific Programing. **(0.963 Impact Factor)**.
16. **Rafiullah Khan**, Mohib Ullah, Atif Khan, Muhammad Irfan Uddin, Maha Al-Yahya, "NN-QuPiD Attack: Neural Network-Based Privacy Quantification Model for Private Information Retrieval Protocols," Complexity, vol. 2021, 2021. **(2.462 Impact Factor)**.
17. Haq, N. U., Ullah, M., **Khan, Rafiullah**, Ahmad, A., Almogren, A., Hayat, B., & Shafi, B. (2020). USAD: An Intelligent System for Slang and Abusive Text Detection in PERSO-Arabic-Scripted Urdu. Complexity, 2020. **(2.462 Impact Factor)**.
18. Ahmad, Y., Ullah, M., **Khan, Rafiullah**, Shafi, B., Khan, A., Zareei, M., & Mohamed, E. M. (2020). SiFSO: Fish Swarm Optimization-Based Technique for Efficient Community Detection in Complex Networks. Complexity, 2020. **(2.462 Impact Factor)**.
19. **Khan, Rafiullah**, et al. "QuPiD Attack: Machine Learning-Based Privacy Quantification Mechanism for PIR Protocols in Health-Related Web Search." Scientific Programming (2020). **(0.963 Impact Factor)**.
20. **Khan, Rafiullah**, Islam, M. A., Ullah, M., Aleem, M., & Iqbal, M. A. (2019). Privacy Exposure Measure: A Privacy-Preserving Technique for Health-Related Web Search. Journal of Medical Imaging and Health Informatics, 9(6), 1196-1204. **(0.659 Impact Factor)**.
21. Ullah, M., Islam, M. A., **Khan, Rafiullah**, Aleem, M., & Iqbal, M. A. (2019). ObSecure Logging (OSLo): A Framework to Protect and Evaluate the Web Search Privacy in Health Care Domain. Journal of Medical Imaging and Health Informatics, 9(6), 1181-1190. **(0.659 Impact Factor)**.
22. Shah, S., Saeed, K., Khan, M., Khan, **Khan, Rafiullah**, M. U., Daud, M., & Abbas, A. W. (2018). Minimization of Information Asymmetry Interference using Partially Overlapping Channel Allocation in Wireless Mesh Networks. International journal of advanced computer science and applications, 9(8), 626-634.
23. Daud, M, **Khan, Rafiullah**, & Daud, A. (2015). Roman Urdu opinion mining system (RUOMiS). Computer Science & Engineering: An International Journal (CSEIJ). 4(5/6), 1-9.
24. **Khan, Rafiullah**, & Ali, S. (2013). Conceptual Framework of Redundant Link Aggregation. Computer Science & Engineering: An International Journal (CSEIJ). 3(5), 23- 31.

### **Conference Publications**

1. Ullah H, Bangash J I, Rahman J U, **Khan Rafiullah**, Khan A W, Din R U. IoT Based Indoor Monitoring Framework to Reduce the Effects of Passive Smoking, International Conference on Computing Technologies, Tools and Applications (ICTAPP-23) 2023.
2. Ullah S A, Ullah M, **Khan Rafiullah**, Ullah K, Ahmad Y, Rehman A U. Educational Data Mining: A Comparative Study to Predict Student Academic Performance Using Deep Neural Network and Other Machine Learning Techniques, International Conference on Computing Technologies, Tools and Applications (ICTAPP-23) 2023.
3. Ullah S A, Abbas A W, Ullah M, **Khan Rafiullah**, Rehman A U. Unveiling the Power of Deep Learning: A Trailblazing Review on Different Techniques used for Medical Image Segmentation Analysis, International Conference on Computing Technologies, Tools and Applications (ICTAPP-23) 2023.
4. Ali I, Nawaz S, Ullah M, **Khan Rafiullah**, Tariq M, Din I U, Khan A, Khalil G R, Khan M. Software Cost Estimation: A Comparative Study of COCOMO-II, Halstead and IVR Models. International Conference on Computing Technologies, Tools and Applications (ICTAPP-23) 2023.

5. Siddique M, **Khan Rafiullah**, Ullah M, Tamimy M I, Haris M. Speech Emotion Recognition using Diffusion Map- Based Machine Learning with Classification Technique. International Conference on Computing Technologies, Tools and Applications (ICTAPP-23) 2023.
6. **Khan, Rafiullah**, & Islam, M. A. (2017, March). Quantification of PIR protocols privacy. In 2017 International Conference on Communication, Computing and Digital Systems (CCODE) (pp. 90-95). IEEE.
7. **Khan, Rafiullah**, Ullah, M., & Islam, M. A. (2016, August). Revealing PIR protocols protected users. In 2016 Sixth International Conference on Innovative Computing Technology (INTECH) (pp. 535-541). IEEE.
8. Ullah, M., Khan, **Khan, Rafiullah**, & Islam, M. A. (2016, August). Poshida, a protocol for private information retrieval. In 2016 Sixth International Conference on Innovative Computing Technology (INTECH) (pp. 464-470). IEEE.
9. Ullah, M., Khan, **Khan, Rafiullah**, & Islam, M. A. (2016, December). Poshida II, a Multi-Group Distributed Peer to Peer Protocol for Private Web Search. In 2016 International Conference on Frontiers of Information Technology (FIT) (pp. 75-80). IEEE.
10. **Khan, Rafiullah**. (2016, December). De-Anonymizing User of Web and Social Network. In 4th International Conference on Biological and Computer Sciences (C-BICS 2016).
11. Khan, S, Ullah, M & **Khan, Rafiullah**. (2016, December) The Performance Evaluation of MANET Protocol under varying Pause time and Simulation Area. In 2nd International Conference on Emerging Trends in Engineering, Management and Sciences.
12. Naz, J, **Khan, Rafiullah** & Ullah, M. Impact Assessment of Node Density over FSR and DSR. (2016, December) The Performance Evaluation of MANET Protocol under varying Pause time and Simulation Area. In 2nd International Conference on Emerging Trends in Engineering, Management and Sciences.

### **Book Chapter**

1. Javeed, D., Gao, T., Saeed, M. S., **Khan, R. U.**, & Jamil, Z. (2023). SDSCCM: Secure Distributed System Communication for Cloud-Based Manufacturing. In Protecting User Privacy in Web Search Utilization (pp. 200-214). IGI Global.
2. **Khan, Rafi Ullah**, Mohib Ullah, and Bushra Shafi. "Web Search Privacy Evaluation Metrics." Protecting User Privacy in Web Search Utilization. IGI Global, 2023. 46-62.
3. **Khan, Rafi Ullah**, et al. "A Survey on Performance Evaluation Mechanisms for Privacy-Aware Web Search Schemes." Protecting User Privacy in Web Search Utilization. IGI Global, 2023. 26-45.
4. **Khan Rafiullah**, et al. "Knocking at Alternate Doors: Survey of Android-Based Smartphone Applications for Alternate Medicines." Mobile Devices and Smart Gadgets in Medical Sciences. IGI Global, 2020. 22-38.

### **Books**

1. **Khan, Rafi Ullah**, ed. Protecting User Privacy in Web Search Utilization. Hershey, PA: IGI Global, 2023. <https://doi.org/10.4018/978-1-6684-6914-9>