# Akib Mohi Ud Din Khanday, Ph.D.

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## Career Objectives

- Intended to impart quality education in an institute by balancing the theoretical and practical knowledge in Computer Science and Applications.
- To explore new opportunities in the research area of Data Mining, Natural Language Processing and Machine Learning/Deep Learning to develop new innovative applications.

## Employment History

May 2025 – Present — **Assistant Professor:** Department of Information Technology, Cluster University of Srinagar, India.

September 2024 – May 2025 — **Assistant Professor:** Department of Computer Science, Samarkand International University of Technology, Samarkand, Uzbekistan.

May 2023– August 2024 — **Post Doctoral Research Fellow:** Department of Computer Science and Software Engineering-CIT, United Arab Emirates University, Al Ain, UAE.

January 2023– April 2023 — **Assistant Professor:** Department of Computer Science and Applications, School of Engineering and Technology, Sharda University, Greater Noida, India.

March 2022 – December 2022 — **Assistant Professor:** Information Technology Department, School of Engineering and Technology, S.P. College, Cluster University of Srinagar, J&K India.

## Education

May 2023 – August 2024 — **Post Doctoral Fellow,** Department of Computer Science and Software Engineering-CIT, United Arab Emirates University, Al Ain, UAE.

## Education (continued)

2018 – 2022 **Ph.D., Computer Science/Information Technology** From Baba Ghulam Shah Badshah University, Rajouri, India, 185234.
Thesis title: *Machine Learning Based Approach for Identifying Propaganda on Social Networks*

2015 – 2017 **M.Sc. Information Technology** From IUST, J&K, India
Thesis title: *A Study of Face Recognition Techniques*.

2012 – 2015 **B.Sc.** Kashmir University.(Maths, Physics, Information Technology)

## Research Publications

### Journal Articles(SCOPUS/SCI/ISI)

1. M. A. Hajam, T. Arif, A. M. U. D. Khanday, and M. Neshat, "An effective ensemble convolutional learning model with fine-tuning for medicinal plant leaf identification," *Information*, vol. 14, no. 11, p. 618, 2023, **SCOPUS Q2**.
2. A. M. U. D. Khanday, Q. R. Khan, and S. T. Rabani, "Detecting textual propaganda using machine learning techniques," *Baghdad Science Journal*, vol. 18, no. 1, pp. 0199–0199, 2021, **SCOPUS Q2**.
3. A. M. U. D. Khanday, Q. R. Khan, and S. T. Rabani, "Identifying propaganda from online social networks during covid-19 using machine learning techniques," *International Journal of Information Technology*, vol. 13, no. 1, pp. 115–122, 2021, **SCOPUS Q1**.
4. A. M. U. D. Khanday, S. T. Rabani, Q. R. Khan, and S. H. Malik, "Detecting twitter hate speech in covid-19 era using machine learning and ensemble learning techniques," *International Journal of Information Management Data Insights*, vol. 2, no. 2, p. 100 120, 2022, **SCOPUS Q1 (Top 1%)**.
5. A. M. U. D. Khanday, S. T. Rabani, Q. R. Khan, N. Rouf, and M. Mohi Ud Din, "Machine learning based approaches for detecting covid-19 using clinical text data," *International Journal of Information Technology*, vol. 12, no. 3, pp. 731–739, 2020, **SCOPUS Q1**.
6. A. M. U. D. Khanday, M. A. Wani, S. T. Rabani, Q. R. Khan, and A. A. Abd El-Latif, "Hapi: An efficient hybrid feature engineering-based approach for propaganda identification in social media," *PloS one*, vol. 19, no. 7, e0302583, 2024,**SCOPUS Q1 (Top 10%)**.
7. S. T. Rabani, Q. R. Khan, and A. M. U. D. Khanday, "Detection of suicidal ideation on twitter using machine learning & ensemble approaches," *Baghdad Science Journal*, vol. 17, no. 4, 2020, **SCOPUS Q2**.
8. S. T. Rabani, Q. R. Khan, and A. M. U. D. Khanday, "Quantifying suicidal ideation on social media using machine learning: A critical review," *Iraqi Journal of Science*, pp. 4092–4100, 2021, **SCOPUS Q3**.
9. K. Tripathi, F. A. Khan, A. M. U. D. Khanday, and K. U. L. Nisa, "The classification of medical and botanical data through majority voting using artificial neural network," *International Journal of Information Technology*, Jul. 2023, **SCOPUS Q1**, ISSN: 2511-2112, DOI: 10.1007/s41870-023-01361-0.

10 S. Bouktif, A. M. U. D. KHANDAY, and O. Ali, "Bi-directional lstm-based covid-19 detection using clinical reports," *The Eurasia Proceedings of Science Technology Engineering and Mathematics*, vol. 23, pp. 209–219,

11 A. M. U. D. Khanday, B. Bhushan, R. H. Jhaveri, Q. R. Khan, R. Raut, and S. T. Rabani, "Nnpcov19: Artificial neural network-based propaganda identification on social media in covid-19 era," *Mobile Information Systems*, vol. 2022, **IF-1.886**,

12 S. T. Rabani, Q. R. Khan, and A. M. U. din Khanday, "A novel approach to predict the level of suicidal ideation on social networks using machine and ensemble learning,"

13 P. Verma, A. Khanday, S. T. Rabani, M. H. Mir, and S. Jamwal, "Twitter sentiment analysis on indian government project using r,"

14 S. Bouktif, A. M. U. D. Khanday, and A. Ouni, "Explainable predictive model for suicidal ideation during covid-19: Social media discourse study," *Journal of Medical Internet Research*, vol. 27, e65434, **SCOPUS Q1 (Top 10%)**, 2025.

15 H. Goyal, M. S. Wajid, M. A. Wajid, A. M. U. D. Khanday, M. Neshat, and A. Gandomi, "State-of-the-art ai-based learning approaches for deepfake generation and detection, analyzing opportunities, threading through pros, cons, and future prospects," *arXiv preprint arXiv:2501.01029*, 2025.

16 M. A. Hajam, T. Arif, A. M. U. D. Khanday, M. A. Wani, and M. Asim, "Ai-driven pattern recognition in medicinal plants: A comprehensive review and comparative analysis," 2024.

17 U. A. Hajam, S. T. Rabani, A. M. U. D. Khanday, and M. Neshat, "Spoken kashmiri recognition with dual feature extraction and spectrogram augmentation using a cnn-gmlp hybrid model," 2024.

18 A. M. U. D. Khanday, M. A. Wani, S. T. Rabani, and Q. R. Khan, "Hybrid approach for detecting propagandistic community and core node on social networks," *Sustainability*, vol. 15, no. 2, 2023, ISSN: 2071-1050, **SCOPUS Q1**. DOI: 10.3390/su15021249.

19 A. Molamasoumi, H. Sadeghizadeh, M. Rajabi, M. A. Hajam, and A. M. U. D. Khanday, "Neuro fuzzy greywolf optimisation method for diagnosing the liver disorders," 2023.

20 S. T. Rabani, A. M. U. D. Khanday, Q. R. Khan, U. A. Hajam, A. S. Imran, and Z. Kastrati, "Detecting suicidality on social media: Machine learning at rescue," *Egyptian Informatics Journal*, vol. 24, no. 2, pp. 291–302, 2023, ISSN: 1110-8665, **SCOPUS Q1 (Top 10%)**. DOI: https://doi.org/10.1016/j.eij.2023.04.003.

21 A. M. U. D. Khanday, Q. R. Khan, and S. T. Rabani, "Ensemble approach for detecting covid-19 propaganda on online social networks," *Iraqi Journal of Science*, vol. 63, no. 10, 4488–4498, 4488–4498, **SCOPUS Q3**, Oct. 2022. DOI: 10.24996/ijs.2022.63.10.33.

22 A. Khanday, A. Amin, I. Manzoor, and R. Bashir, "Face recognition techniques: A critical review," *STM Journals [Internet]*, vol. 5, no. 2, pp. 24–30, 2018.

## Conference Proceedings

1 A. Jan, A. M. U. D. Khanday, B. Bhushan, E. M. Alazzawi, P. Bhattacharya, and A. Jamil, "Spatial domain compression approach for increasing flight duration in drones," in *IET Conference Proceedings CP906*, IET, vol. 2024, 2024, pp. 731–737.

2 A. M. Khanday, S. Bouktif, A. Jan, *et al.*, "Img: Influence maximization and greedy-based approach for finding propagandistic community structure on social media," in *IET Conference Proceedings CP906*, IET, vol. 2024, 2024, pp. 738–743.

3 A. M. U. D. Khanday, G. M. Gouse, K. Ajmath, and T. Timur, "Conserving energy in buildings by detecting hotspots through clustering approaches," in *2024 Third International Conference on Sustainable Mobility Applications, Renewables and Technology (SMART)*, IEEE, 2024, pp. 1–6.

4. A. Khanday, S. Bouktif, and A. Ouni, "Rnn-based model for an optimal covid-19 cases detection using clinical reports," in *2023 9th International Conference on Optimization and Applications (ICOA)*, 2023, pp. 1–6. DOI: 10.1109/ICOA58279.2023.10308812.

5. A. M. U. D. Khanday, Q. R. Khan, and S. T. Rabani, "Analysing and predicting propaganda on social media using machine learning techniques," in *2020 2nd International Conference on Advances in Computing, Communication Control and Networking (ICACCCN)*, IEEE, 2020, pp. 122–127.

6. S. T. Rabani, Q. R. Khan, and A. M. U. D. Khanday, "Multi-class suicide risk prediction on twitter using machine learning techniques," in *2020 2nd International Conference on Advances in Computing, Communication Control and Networking (ICACCCN)*, IEEE, 2020, pp. 128–134.

## Books and Chapters

1. B. Bhushan, A. Khanday, K. Aurangzeb, S. K. Sharma, and P. Nand, *Wellness Management Powered by AI Technologies*. John Wiley & Sons, 2025.

2. A. M. U. D. Khanday, S. Bouktif, and K. Nimmi, *Public Opinion Segmentation on COVID-19 Vaccination and Its Impact on Wellbeing*. Wiley Online Library, 2025, pp. 207–230.

3. A. M. U. D. Khanday, S. Bouktif, and A. Ouni, *Natural Language Processing in Healthcare: Enhancing Wellbeing through a COVID-19 Case Study*. Wiley Online Library, 2025, pp. 55–74.

4. A. Adil, M. Asger, M. Gul, A. M. U. D. Khanday, and R. A. Magray, "Stem cell therapy in the era of machine learning," in *Computational Biology for Stem Cell Research*, Elsevier, 2024, pp. 77–84.

5. A. Agrawall, A. M. D. Khanday, E. M. Alazzawi, B. Bhushan, P. Baniya[1], and A. Jamil, *Through Random Forest Machine Learning*. Springer Nature, 2024, p. 318.

6. A. Khan, S. Yadav[1], P. Nand[1], and A. M. U. D. Khanday, *DAn Explainable Predictive model for Diabetes detection using Shapley Additive Explanations approach*. Springer Nature, 2024, p. 304.

7. A. M. U. D. Khanday, P. Baniya, B. Bhushan, E. M. Alazzawi, A. Jamil, and A. Agrawal, *A Multifaceted Approach for Identifying Propaganda on Social Networks*. Springer Nature, 2024, p. 58.

8. A. M. U. D. Khanday, *Machine Learning At Fingertips*. Veyth Publishing House, 2023, pp. 1–135, ISBN: 9789395906203.

9. A. M. U. D. Khanday, Q. R. Khan, S. T. Rabani, M. A. Wani, and M. ELAffendi, "Propaganda identification on twitter platform during covid-19 pandemic using lstm," in *Advances in Cybersecurity, Cybercrimes, and Smart Emerging Technologies*, Springer, 2023, pp. 303–314.

10. A. M. U. D. Khanday, S. T. Rabani, Q. R. Khan, and F. A. Khan, "Community detection algorithms: A critical review," in *Advanced Applications of NLP and Deep Learning in Social Media Data*, IGI Global, 2023, pp. 75–91.

11. T. A. Mir, A. A. Lawaye, and A. M. U. D. Khanday, "Nlp techniques and challenges to process social media data," in *Advanced Applications of NLP and Deep Learning in Social Media Data*, IGI Global, 2023, pp. 171–218.

12. I. Nabi, A. M. U. D. Khanday, I. Rashid, F. A. Khan, and R. Bashir, "A comparative analysis of signature recognition methods," in *Recent Advancements in Multimedia Data Processing and Security: Issues, Challenges, and Techniques*, IGI Global, 2023, pp. 142–165.

13. Q. R. K. Akib Mohi Ud Din Khanday Syed Tanzeel Rabani, *Role of IoT in Smart Health Care Setups: A Critical Analysis*. Nova Science Publishers, 2022, ISBN: 978-1-68507-977-2.

14. A. M. U. D. Khanday, Q. R. Khan, and S. T. Rabani, "Svmbpi: Support vector machine-based propaganda identification," in *Cognitive Informatics and Soft Computing*, Springer, 2021, pp. 445–455.

15 N. Rouf, A. Kaisar Khan, M. B. Malik, A. M. Ud Din Khanday, and N. Gul, *Unfolding the Potential of Impactful Emerging Technologies Amid COVID-19*. Wiley Online Library, 2021, pp. 117–141.

## Papers presented in Conferences

- Presented a paper "Conserving Energy in Buildings by detecting hotspots through Clustering approaches" International Conference on Sustainable Mobility Applications, Renewables and Technology (SMART) ,Dubai, UAE, 22-24 November, 2024
- Presented a paper "IMG: Influence Maximization and Greedy-based Approach for Finding Propagandistic Community Structure on Social Media"Intl. Conf. on Emerging Trends and Applications in AI | Al-Farahidi University, IRAQ, Sep 25-26, 2024
- Presented a paper "RNN-based Model for an Optimal COVID-19 Cases Detection using Clinical Reports" in the International Conference on Optimization and Applications (ICOA2023) ,Abu Dhabi, UAE, 05-06 October, 2023
- Presented a paper "LSTM-based COVID-19 Detection using Clinical Reports" in the International Conference on Research in Engineering, Technology and Science (ICRETS 2023) Budapest, Hungary, 06-09 July, 2023
- Presented a paper “Propaganda Identification on Twitter Platform During COVID-19 Pandemic using LSTM”. International Conference on “Cybersecurity, Cybercrimes, and Smart Emerging Technologies 2022” 10-11 May 2022-Riyadh, Saudi Arabia.
- Presented a Paper “A Critical Review on Propaganda Identification Techniques on Social Networks”. In “4th National Conference on Computational Intelligence (NCCI 2021)”. Organized by Kristu Jayanti College, Bangaluru, India 11-12 January 2021.
- Presented a Paper “ Analysing and Predicting Propaganda on Social Media using Machine Learning Techniques” in “2nd IEEE International Conference on Advances in Computing Communication Control and Networking (ICAC3N-20)” in Galgotias College of Engineeriing and Technology, Greater Noida, India. 18-19 December 2020
- A Paper “ Multi-Class Suicide Risk Prediction on Twitter Using Machine Learning Techniques ” in “2nd IEEE International Conference on Advances in Computing Communication Control and Networking (ICAC3N-20)” in Galgotias College of Engineeriing and Technology, Greater Noida, India. 18-19 December 2020.

- Presented a Paper "Techniques for Identifying Propaganda on Social Networks: A Critical Review". In "International Conference on Advances in Information Technology, Business Management, and e-Commerce (ICETIIT-2020)" organized by The Quaide Milleth College for Men. 5th July, 2020.
- Presented a Paper "SVMBPI: Support Vector Machine Based Propaganda Identification". in ,"1st International Conference on Innovation in Computer Science, Electrical and Electronics Engineering (ICICEE-2020)" organized by Channabasaveshwara Institute of Technology, Tumkur Karnataka in association with Technical Institute of Engineers. On 4th July, 2020

## Courses Taught

| | |
|---|---|
| Masters | Theory of Computation, Operating System, Machine Learning, Optimisation Techniques. |
| Bachelors | Software Engineering, Database Management Systems, Discrete Mathematics. |

## Skills

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|---|---|
| Languages | Strong reading, writing and speaking competencies for English, Urdu, Kashmiri. Reading:Arabic, Speaking: Hindi. |
| Research Interests | Data Mining, Text Mining, Natural Language Processing, Machine Learning/Deep Learning and Social Network Analysis. |
| Coding | Python,R, C, C++, LaTeX. |
| Tools | WEKA, GIPHIE. |
| Misc. | Academic research, teaching, training, consultation, LaTeX typesetting and publishing. |

## Miscellaneous Experience

### Awards and Achievements

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|---|---|
| 2020 | **UGC-NET**, Qualified University Grant Commission, India, National Eligibility Test(NET) in Computer Science and Applications. |

## Miscellaneous Experience (continued)

2017 — **Merit Award**, Received Silver Medal for getting second rank in Masters degree from IUST, J&K, India.

### Research Metrics

Google Scholar Citations — **1050**

H-Index — **14**

i-10 — **16**

### Conferences/Seminars Participated

Conferences — **16**

Workshops — **15**

### Certification

2024 — **Artificial Intelligence** From Information Technology Specialist

2012 — **Certified in Basic Computes**.

### Research Experience

Associate Editor — Frontiers in Sports and Active Living.

Reviewer — Scientific Reports, IEEE Access, Processes etc.

TPC Member — Websci-22, Websci-23 conference.

Advisory Member — 1st International Conference on Artificial Intelligence for Innovations in Healthcare Industries (ICAIIHI-2023)

### Supervised

Bachelors Thesis — **5**

Master's Thesis — **1**

## References

Dr. Salah Bouktif — Computer Science and Software Engineering, United Arab Emirates University, UAE
Email:salahB@uaeu.ac.ae

## References (continued)


| | |
|---|---|
| Dr. Qamar Rayees Khan | Department of Computer Sciences BGSBU, Rajouri, Email:rayees.dcs@gmail.com |
| Dr. Rumaan Bashir | Department of Computer Sciences, IUST, J&K, India Email: rumaan.bashir@islamicuniversity.edu.in |
| Dr. Mudasir Ahmad Wani | Computer and Information Sciences, Prince Sultan University, Saudi Arabia Email: mwani@psu.edu.sa |