

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.
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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)

Administrative Experience

- Coordinator  Skill Courses(184 Unique) and Entrepreneurship Programs offered by Cluster University of Srinagar from 30-09-2025 till Present
- Incharge Coordinator  IT and Data Management Section Examination Wing from 21-08-2025 till Present.
- Coordinator  IT Cell, Cluster University of Srinagar from 23-02-2026 till present.
- Nodal Officer  Human Capital for Viksit Bharat from 24-02-2026 till present.
- Member  Board of Studies for Masters Program in Information Technology(MSc IT), Cluster University of Srinagar from session August 2025 till Present.
-  Board of Studies for Masters Program in Artificial Intelligence and Machine Learning (MSc AI&ML),Cluster University of Srinagar from session August 2025 till Present.
-  Board of Studies for Masters Program in Data Science(MSc Data Science),Cluster University of Srinagar from session August 2025 till Present.
-  Sports Committee, Cluster University of Srinagar, from 24-11-2025 till present.

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 U. Bashir, K. Singh, V. Mansotra, A. M. U. D. Khanday, and M. Neshat, "Evobagnet: A decomposition-driven bagging ensemble with evolutionary hyperparameter optimization for robust stock price prediction," *Neural Computing and Applications*, vol. 38, no. 3, p. 31, 2026.
- 15 S. Bouktif, A. M. U. D. Khanday, and A. Ouni, "Revealing the impact of covid-19 on mental health through machine learning," *JAMIA Open*, 00ag013, 2026.
- 16 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.

- 17 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.
- 18 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.
- 19 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.
- 20 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.
- 21 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.
- 22 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>.
- 23 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.
- 24 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. Agrawal, A. M. D. Khanday, E. M. Alazzawi, B. Bhushan, P. Baniya¹, and A. Jamil, *Through Random Forest Machine Learning*. Springer Nature, 2024, p. 318.
- 6 A. Khan, S. Yadav¹, P. Nand¹, 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 Engineering 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 Engineering 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

Resource Person

- December 2025
- **Faculty Development Program**, Delivered a lecture on Computational Social Sciences in 6 days Faculty Development Program on Artificial Intelligence in Multidisciplinary Research, Organized by Xavier Institute for Research and Development.
 - **Workshop**, Acted as a Resource Person in 3-Days Workshop "Applied Data Analytics and Policy Insights" organized by SKUAST-Kashmir.
 - **Session Chair**, Acted as a Chair in Eighth International Conference Futuristic Trends in Networks and Computing Technologies (FTNCT'o8) from 18-20 December 2025.

Courses Taught

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

Skills

- 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++, $\text{\LaTeX}$.
- Tools
- WEKA, GIPHIE.
- Misc.
- Academic research, teaching, training, consultation, $\text{\LaTeX}$ typesetting and publishing.

Miscellaneous Experience

Awards and Achievements

- | | | |
|------|---|---|
| 2020 | ■ | UGC-NET , Qualified University Grant Commission, India, National Eligibility Test(NET) in Computer Science and Applications. |
| 2017 | ■ | Merit Award , Received Silver Medal for getting second rank in Masters degree from IUST, J&K, India. |

Research Metrics

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|--------------------------|---|-------------|
| Google Scholar Citations | ■ | 1162 |
| H-Index | ■ | 14 |
| i-10 | ■ | 21 |

Conferences/Seminars Participated

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|-------------|---|-----------|
| Conferences | ■ | 18 |
| Workshops | ■ | 16 |

Certification

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|------|---|---|
| 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 (ICAIHI-2023) |
| Professional Membership | ■ | WACM Professional Membership Anniversary: January 2026.Member Number: 3828854 |

Supervised

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| Bachelors Thesis | ■ | 5 |
| Master's Thesis | ■ | 6 |

References

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|------------------------|--|
| Dr. Salah Bouktif | Computer Science and Software Engineering, United Arab Emirates University, UAE
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| 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 |