

Dr. saima jabeen

Personal Information

Address: Riyadh, Saudi Arabia

Phone number: +966504659803

Email address: sjabeen@alfaisal.edu, uop.saima@gmail.com

LinkedIn: <https://www.linkedin.com/in/saimajabeen/>

Google Scholar: https://scholar.google.com/citations?user=kKxpg_IAAAAJ&hl=en



Profile

Experienced assistant professor specialized in Artificial intelligence, data science, and machine learning with a strong track record of delivering engaging lectures and mentoring students. Skilled in curriculum development, research, and utilizing cutting-edge technologies to enhance teaching and learning. Seeking a position as an assistant professor in AI, data science and machine learning to contribute to the academic community and drive innovation in the field.

Areas of Interests: Artificial Intelligence, Data Science, Machine Learning, Natural Language Processing, Data/Text Mining, Databases, Social Network Analysis, Healthcare frameworks

Work Experience

09/2023 – present
Riyadh, Saudi Arabia

Research Fellow

AI Research Center, College of Engineering, Alfaisal University

- Serving as a PostDoc Researcher
- Conduct extensive research on diverse topics in Artificial intelligence, data science, and machine learning and synthesized findings into well-structured and comprehensive papers, demonstrating strong analytical and critical thinking.
- Collaborate with a team of researchers and professors to develop compelling research proposals, contributing to successful funding acquisition for various projects.
- Utilize advanced writing and editing techniques to ensure clarity, coherence, and adherence to academic standards in all written assignments
- Implement effective time management strategies to meet strict deadlines, successfully managing multiple simultaneous projects while maintaining a high level of quality and attention to detail.
- Conduct and coordinate AI seminars.

02/2020 – 08/2023
Haripur, Pakistan

Assistant Professor | Head of Dept. IT&CS | Head of Data Science Pak-Austria Fachhochschule: Institute of Applied Sciences and Technology

- Provided instruction for undergraduate and graduate courses, ensuring a comprehensive understanding of subject.
- Oversaw the successful completion of Final Year Projects (FYPs) and Thesis, offering guidance and support to students.
- Pioneered the establishment of the Department of IT and CS as 1st Head of the Department, including the establishment of departmental labs.
- Spearheaded the launch of four Bachelor of Science programs (Artificial Intelligence, Data Science, Software Engineering, and Computer Science) and one Master of Science program (Data Science).
- Directed the Data Science Program as Head of this program, ensuring its effective execution and relevance to industry demands.
- Contributed as a member of numerous committees at both departmental and institutional levels, actively participating in decision-making processes.

09/2017 – 01/2020
Wah Cantt., Pakistan

**Assistant Professor | Chairperson: Department of Computer Science
University of Wah**

- Served as Chairperson of the Department of Computer Science, overseeing departmental operations and strategic initiatives.
- Successfully coordinated departmental activities, ensuring efficient communication and collaboration among faculty members and staff.
- Delivered engaging and informative instruction to both undergraduate and graduate students enrolled in Computer Science programs.
- Provided guidance and supervision to students for their Final Year Projects (FYPs) and Thesis, fostering their research and academic development.
- Actively contributed as a member of various departmental and institutional statutory committees, actively shaping policies and decisions.
- Served as the Editor of the UW Journal of Computer Science, maintaining high editorial standards and facilitating the publication of quality research articles.

09/2015 – 08/2016
Riyadh, Saudi Arabia

**Assistant Professor
Prince Sultan University**

- Instructed courses in computer science and software engineering at both the undergraduate and graduate levels,
- guided students in their thesis projects, and
- actively participated in some departmental and institutional committees.

08/2014 – 06/2015
Swabi, Pakistan

**Assistant Professor
Ghulam Ishaq Khan Institute of Engineering Sciences and Technology**

- Taught courses to the BS in Computer Science program
- provided guidance and supervision for final year projects, and
- contributed to some departmental committees.

Education

11/2009 – 03/2014
Torino, Italy

**PhD in Computer and Control Engineering
Politecnico di Torino**

Artificial Intelligence, Data Science, Machine Learning, Natural Language Processing, Social Network Analysis, Data Mining, Text Mining, Databases

09/2004 – 05/2007
Peshawar, Pakistan

**Master of Science in Computer Science
University of Peshawar**

Programming, Object-Oriented Programming, Operating System, Networking, Data Structures and Algorithms, Database management systems, Compiler Construction, Automata Theory, Software Engineering, Web Engineering

07/2002 – 08/2004
Mansehra, Pakistan

**Bachelor of Science
Hazara University**

Computer Science: Data Structures, Programming, C++, Operating System, Communication and Networking, Maths-A, Maths-B

Professional Training

03/2021 – 06/2021
Graz & Innsbruck, Austria

**Fachhochschule Teaching and Management
FH| Joanneum, & MCI| School of Entrepreneurship**

Obtained a professional certificate after completing a rigorous executive training program on strategic management and teaching at Universities of Applied Sciences aka Fachhochschule across Europe.

Honors & Awards

10/2009 – 03/2014
Torino, Italy

**Scholarship award for PhD
Higher Education Commission, Pakistan**

Won scholarship to pursue my PhD studies from Politecnico di Torino, Torino, Italy

05/2016
Riyadh, Saudi Arabia

**Certificate of Appreciation for Efficiently using LMS (Moodle)
Prince Sultan University**

Won 3rd position to make efficient use of Students' LMS (Moodle) for sharing course content and related academic activities for the taught courses.

08/2004
Haripur, Pakistan

**Merit Certificate for securing one of top positions in University
Hazara University, Mansehra**

Achieved merit certificate in BSc. for securing 4th in the Hazara university while 3rd position in its affiliated College GGDC.

Taught Courses to BS and MS Programs

Taught courses to BS Data Science, AI, SE and CS	Taught courses to MS Data Science and MS SE
* Data Mining	* Tools and Techniques in Data Science
* Data warehousing	* Machine Learning for Data Science
* Database systems	* Advanced Data Mining and Machine Learning
* Object Oriented Programming	* Software Engineering with HCI
* Introduction to Computing	* Software Requirements Engineering
* Data Structures and Algorithms	
* Operating Systems	
* Compiler Construction	
* Automata Theory	
* Software Requirements Engineering	
* Human Computer Interaction	
* MIS and Decision Support System	

Skills

- **LANGUAGES**

English - **Frequent**

Urdu - **Full**

Hindko - **Native**

- **COMPUTER SKILLS**

Python
Professional

Java
Professional

C++
Professional

MySQL
Professional

SQL Server
Professional

DBMS
Professional

WEKA
Professional

Latex
Professional

Data Analysis
Professional

EDA
Professional

Data Scientist
Professional

Predictive Analytics
Professional

Publications

1. Attique, H., Shah, S., Jabeen, S., Khan, F.G., Khan, A., ElAffendi, M., “Multiclass cancer prediction based on Copy Number Variation using Deep Learning”, *Comput Intell Neurosci*, <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9203194/>, 06/2022
2. Shah, S., Rahman, A., Jabeen, S., Khan, A., Jadoon, F., El-Affendi, M., “DNA methylation prediction using reduced features obtained via Gappy Pair Kernel and Partial Least Square”, *IEEE Access*, <https://ieeexplore.ieee.org/document/9772620>, 10/2022
3. Amin, J., Anjum, M. A., Sharif, M., Jabeen, S., Kadry, S., Ger, P.M., “A New Model for Brain Tumor Detection Using Ensemble Transfer Learning and Quantum Variational Classifier”, *Computational intelligence and neuroscience*, <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9023211/>, 04/2022
4. Syed, L., Alsaeedi, A., Jabeen, S., Kolivand, H., “Ambient Assisted Living Framework for Elderly Care using Internet of Medical Things, Smart Sensors, and GRU Deep Learning Techniques”, *Journal of Ambient Intelligence and Smart Environments*, <https://dl.acm.org/doi/abs/10.3233/AIS-210162>, 01/2022
5. Naseem, R., Khan, B., Ahmad, A., Almogren, A., Jabeen, S., Hayat, B., Shah, M. A., “Investigating Tree Family Machine Learning Techniques for a Predictive System to Unveil Software Defects”, *Complexity*, <https://www.hindawi.com/journals/complexity/2020/6688075/>, 11/2020
6. Syed, L., Jabeen, S., Manimala S., Alsaeedi, A., “Smart healthcare framework for ambient assisted living using IoT and big data analytics techniques”, *Future Generation Computer Systems*, <https://www.sciencedirect.com/science/article/abs/pii/S0167739X18321071>, 06/2019
7. Khan, A., Shah, S., Wahid, F., Khan, F. G., Jabeen, S., “MicroRNA precursors identification using reduced hybrid features”, *Molecular Biosystems*, <https://pubs.rsc.org/en/content/articlelanding/2017/mb/c7mb00115k>, 06/2017
8. Imran, M., Hlavacs, H., Khan, F. A., Jabeen, S., Khan, F. G., Shah, S., Alharbi, M., “Aggregated provenance and its implications in clouds”, In: *Future Generation Computer Systems*, *Future Generation Computer Systems*, <https://dblp.org/rec/journals/fqcs/ImranHKJKSA18.html>, 04/2018
9. Baralis, E., Cagliero, L., Fiori, A., Jabeen, S., and Shah, S., “Multi-document summarization based on the Yago ontology”, *Expert Systems with Applications*, <https://www.sciencedirect.com/science/article/abs/pii/S0957417413004429>, 12/2013
10. Jabeen, S., Fiori, A., Document Analysis by means of Data Mining Techniques, *Lambert Academic Publishing*, <https://www.amazon.com/Document-analysis-means-mining-techniques/dp/3659716871>, 06/2015
11. Baralis, E., Cagliero, L., Jabeen, S., Fiori, A., and Shah, S., “Combining semantics and social knowledge for news article summarization”, *IGI Global Publishing*, <https://www.igi-global.com/chapter/combining-semantics-and-social-knowledge-for-news-article-summarization/109984>, 01/2014
12. Baralis, E., Cagliero, L., Fiori, A., and Jabeen, S., “Multi-document summarization exploiting frequent itemsets”, *SAC '12: Proceedings of the 27th Annual ACM Symposium on Applied Computing*, <https://dl.acm.org/doi/10.1145/2245276.2245427>, 03/2012
13. Baralis, E., Cagliero, L., Fiori, A., and Jabeen, S., “PatTexSum: A pattern-based text summarizer”, *Conference: Proceedings of The Workshop on Mining Complex Patterns*, https://www.researchgate.net/publication/236852771_PatTexSum_A_pattern-based_text_summarizer, 01/2011
14. Jabeen, S., Shah, S., and Latif, A., “Named Entity Recognition and Normalization in Tweets Towards Text Summarization”, *IEEE*, <https://ieeexplore.ieee.org/document/6694007>, 09/2013

15. Syed L., Jabeen S., Manimala S., “Telemammography: A Novel Approach for Early Detection of Breast Cancer Through Wavelets Based Image Processing and Machine Learning Techniques”, *Springer*, https://link.springer.com/chapter/10.1007/978-3-319-63754-9_8, 10/2017
16. Syed, L., Jabeen, S., Manimala, S., Hoda, A. E., “Data Science Algorithms and Techniques for Smart Healthcare Using IoT and Big Data Analytics: Towards Smarter Algorithms”, *Springer*, https://link.springer.com/chapter/10.1007/978-3-030-03131-2_11, 01/2019
17. Jabeen, F., Khan, F. G., Shah, S., Ahmad, B., Jabeen, S., “Exploration of Epidemic Outbreaks using Machine and Deep Learning Techniques”, *Springer*, https://link.springer.com/chapter/10.1007/978-3-031-21101-0_23, 03/2023

References

1. **Dr. Fiaz Gul Khan**
Associate Professor, COMSATS University Islamabad, Abbottabad Campus, Pakistan
fiazkhan@cuiatd.edu.pk, +923219801676
2. **Dr. Naveed Ahmed**
Associate Professor, Computer and Information Sciences - Computer Science - CCIS, Prince Sultan University, Riyadh, Saudi Arabia
nahmed@psu.edu.sa, +966558159071
3. **Dr. Liyakathunisa Syed**
Assistant Professor, Department of Computer Science Taibah University, Medinah, Saudi Arabia
lansari@taibahu.edu.sa, +966545085641