

Rafiya Jan

CONTACT INFORMATION Department of Computer Science Engineering, Institute of Technology, Zakura Campus, University of Kashmir, J&K, India *E-mail* : rafiya.jan.bhat@gmail.com
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PERSONAL INFORMATION *Nationality* : Indian

RESEARCH INTERESTS Deep Learning, Text Analytics, Emotion Analysis, Sentiment Analysis, Proteomics

EDUCATION **Islamic University of Science and Technology, Kashmir**, India

- Ph.D., Computer Science and Engineering , March 2026
 - Topic : *Cancer Interactome : Identifying Interactions of Cancer Proteins Using Graph Based Learning.*
 - Keywords : Proteomics, Deep Learning, Graph Neural Network (GNN)
 - Area of Specialization : Deep and Machine Learning

Central University Of Kashmir, India

- M.Tech., Information Technology, July 2018
 - Topic : *Social Emoticon Prediction*
 - Percentage : 77.19%
 - Keywords : Emotion detection, Supervised learning
 - Area of Specialization : Machine Learning

Baba Ghulam Shah Badshah University, Rajouri, (J&K), India

- Btech., Computer Science and Engineering , August 2015
 - Percentage : 72 %
 - Area of Specialization : Web Development, Asp.net
 - Project : Time Table Management System

AWARDS

- Received best paper award for *ProGPPI : Unraveling Protein-Protein Interactions using Message Passing and Attention* in the International Conference on Artificial Intelligence, Machine Learning, and Intelligent Systems(ICAIMLIS-2023)

PUBLICATIONS **Rafiya Jan** Ahsan Hussain, Assif Assad, and Basharat Bhat. "Cancer Interactome : In-silico novel approach for elucidating Cancer Protein-Protein Interactions (CPPIs) using Structural Graph Learning." *Journal of Computational Biophysics and Chemistry* (2025), **IF** : **2.3**.

Rafiya Jan Ahsan Hussain, Assif Assad, and Basharat Bhat. "CanGRNNA : Ensembling Message Passing and Temporal Dynamics with Attention for Prediction of Structural Cancer Protein-Protein Interactions" *Arabian Journal for Science and Engineering* (2025), **IF : 2.9**.

Mudasir Mohd,**Rafiya Jan**, Muzaffar Shah, "Text Document Summarization using Word Embedding", *Expert Systems with Applications*, Elsevier, volume 143, ISSN : 0957-4174. **IF : 7.5**.

Rafiya Jan, Afaq Alam Khan , " Emotion mining using semantic similarity", *International Journal of Synthetic Emotions (IJSE)*, IGI Global, Volume 9, Issue 2, 1-22,2018.

Mudasir Mohd, **Rafiya Jan**, Nida Hakak, "Enhanced Bootstrapping Algorithm for Automatic Annotation of Tweets", *International Journal of Cognitive Informatics and Natural Intelligence (IJCINI)*, IGI Global, Volume 14, Issue 2, ISSN : 1557-3958. **IF : 0.665**.

Rafiya Jan, Afaq Alam Khan , " Social Emotion Prediction : A Review Of Sentiment Analysis Techniques Used In Social Networks ", *JOURNAL OF ARTIFICIAL INTELLIGENCE RESEARCH AND ADVANCES*, eISSN : 2395-6720.,(2018)Vol.5, Issue 2, STM Journals

Rafiya Jan, Afaq Alam Khan , " PRE-PROCESSING OF SOCIAL MEDIA POSTS. ", *Recent Trends in Programming languages*, eISSN : 2455-1821.(2018) Vol.5, Issue 1, STM Journals.

CONFERENCES
ATTENDED

Presented a paper (oral) : *ProGPPI : Unraveling Protein-Protein Interactions using Message Passing and Attention* in the International Conference on Artificial Intelligence, Machine Learning, and Intelligent Systems(ICAIMLIS-2023) organized by *Department of Computer Science and Engineering, Islamic University of Science and Technology*.

Presented a paper (oral) : *Graph-Based Learning for Analyzing Breast Cancer Protein-Protein Interactions : Road to Modern Proteomics* in the 1st J&K International Conference On Breast Cancer(2024) organized by *Department Of Bioresources, University Of Kashmir*.

WORKSHOPS

eyantra Workshop, Department of Computer Science and Engineering in collaboration with IIT Bombay at Islamic University of Science And Technology Kashmir, J&K India, November 2023.

Workshop on Digital Marketing, Department of Computer Science and Engineering in collaboration with Centre for Innovation & Entrepreneurship Development cell at Islamic University Of Science And Technology , J&K India, May 2022.

TRAININGS &
SUMMER
SCHOOLS

- Summer internship : Asp.net Course
 - Organization : Taqwa Technologies.
 - Duration : 45 days.

- Course : Asp.net
 - Organization : National It Solutions.
 - Duration : 3 months.

PROFESSIONAL
EXPERIENCE

University of Kashmir, North Campus, Delina, Baramulla, India

Worked as an Assistant Professor (Contractual) .

9 Months

Netshell Software Solutions, Kashmir, India

Worked as a Backend Developer .

1 year

HARDWARE AND
SOFTWARE
SKILLS

Programming Languages :

- C, C++, Java, Python, MATLAB

Software Packages :

- Tensorflow, pytorch, keras

Productivity Applications :

- T_EX (L^AT_EX, B_IB_TE_X)

Operating Systems :

- Microsoft Windows family, Linux (and other UNIX variants)