

SALEHA MARIYAM

EMAIL : saleham@iul.ac.in

MOBILE NO :+91-800-948-3346

Assistant Professor
Dept. of Computer Science and Engineering

Educational Details:

- **M. Tech – Computer Science & Engineering, Jamia Hamdard, New Delhi.**
Marks- 9.4 CGPA (Gold Medalist) (2019-2021)
Core Subjects:- Data Structure, Algorithm Analysis, Data Science, Machine Learning
- **B. Tech – Computer Science & Engineering, AKTU Lucknow.**
Marks- 83% (Gold Medalist) (2015-2019)
- **ISC (PCM , English and Computer Application) ,Children College Azamgarh**
Marks- 79% (2015)
- **ICSE ,Children College Azamgarh**
Marks- 85% (2013)
- **Qualified National Eligibility Test for Assistant Professor-(2021) – Computer Science and Application**
- **Qualified GATE (2019) – Computer Science and Information Technology**

Project Fellowship:

IIT Dharwad and Ministry of Electronics and Information Technology project titled, “Development of speech to speech translation system for tribal languages” Designation: Project Associate

Publication:

Predicting Water Availability in Water Bodies under the Influence of Precipitation and Water Management Actions Using VAR/VECM/LSTM. *Climate* 2021, 9, 144. Journal: MDPI.SCOPE Indexed, Impact Factor : 3.9, H-Index- 33
<https://doi.org/10.3390/cli9090144>

The impact of artificial intelligence on emotional and mental well-being. Souvenir: International Seminar on Lifestyle Diseases: Working Women’s Health Priorities and Interventions- **2023**. ISBN: 978-81-963382-0-6

Certification Course:

- Hadoop certification course-Udemy (2022)
- Affective Computing – NPTEL (2024)

Short duration courses:

- MATLAB: An application to AI
 - Speech processing with deep learning framework.
 - Cognitive Speech Processing Technology Development.
 - Linguistic Issues and Challenges in Real time speech processing.
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Computer Skills:

Languages: Java, Python

Machine Learning: Data visualization, Data Analysis, Feature Engineering, EDA, Ensemble learning, Parametric model (VAR/VECM), Statistics for ML

Neural Network: DNN , CNN, RNN (LSTM,GRU), Transformers, Attention

Web designing: Django, Eclipse, Bootstrap, Wordpress, HTML, CSS, JavaScript

Other: Pygame, MS Office, Android studio, Bash scripting, Kaldi, MATLAB,Hadoop

M. Tech Thesis:

Predicting water availability in water bodies under the influence of precipitation and water management actions using VAR/VECM/LSTM

Parametric model(VAR/VECM) and RNN model(LSTM) compared for predicting water availability and to infer the relationship between factors affecting water level in freshwater water bodies.

Hobbies:

Skilled in painting.(Landscape)

Winners of painting competition in school and colleges.

Personal Details:

Nationality: Indian
Date of Birth: 07-02-1998
Gender: Female
Marital Status: Married

Place: Lucknow

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