

PROFILE

Name	Megha Sharma
Position & Affiliation	Assistant Professor, Department of ISE
Areas of Interest	Data Structures & Algorithms, Machine Learning
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Professional Webpage (if any)	-

Educational Qualifications:

Ph.D	Amrita Vishwa Vidyapeetham	India	Pursuing
MTech	Banasthali Vidyapeeth, Rajasthan	India	2006
BE	U.P.Technical University, Lucknow	India	2004

Areas of Research:

Machine Learning , Remote Sensing-Satellite Image Analysis

Brief Profile: (write about yourself)

I started my career in 2006 as a Software Engineer with the India Software Labs, IBM India Pvt. Ltd. Having worked in IBM as a Software Engineer with projects in the Linux Technology Center and the Java Technology Center spanning around 5 years, I hold a rich experience in the corporate which I endeavour to bring to the academic field.

My plunge into academics began in 2013 when I started teaching Data Structures & Algorithms. Since then, I have never looked back. I am a passionate Academic. I have a penchant for connecting with the youth and working in sync with their beautiful minds that have the potential to work wonders beyond measure. This realization dawned on me when I took my first class. The exchange of energy between me and the class of students intrigued me and thus, I decided to continue working in the field of education as a teacher who can engage the class by learning to adapt. My ability to be respectful to the students and at the same time be stern and strict helped me a great deal. I have received continued support and encouragement by the leadership who have appreciated my endeavour.

I joined CIT in August,2022 with the same zeal and enthusiasm and got ample opportunities to work and grow. The ‘peer to peer engagement’ and learning initiative that I rendered in my class proved outstanding in achieving 100% result in Data Structures & Applications course in the VTU exams. Gradually, the learning and growth led to the birth and success of the Microsoft Student Club at CIT for which I play the role of the Club Advisor. With the vision of student involvement and learning by taking responsibilities, I envisage a bright present and promising future for all the students as they are the backbone of our college.

It was in 2019 that I completed the ISRO sponsored NNRMS (National Natural Resources Management System) course as an FDP program. The collaboration with IIRS-ISRO, Dehradun is an open opportunity for the students at CIT with adequate support from the college leadership.

Awards/Achievements/Others:

- Rakuten Technology Conference AI-nization- Nov,2023
- MS-Azure Data Challenge-Nov,2023
- Unisys Innovation Program- Dec,2023
- Salesforce workshop-Jan,2024
- Microsoft- Azure Dev Day-Jan,2024
- Certified- Microsoft AI Odyssey: Challenge -1 : AI Vision, Challenge-2 : Microsoft 365, Challenge -3 : NLP (February,2024- AI Odyssey Summit offline with CEO- Mr. Satya Nadella)
- MSLE-MS 365(MS-900) course on Microsoft Learn (Mar,2024)
- Microsoft Copilot Safari event- May, 2024
- The Zeitgeist- AI and redefined Engineering(Globally highest ranked event by Microsoft)-June,2024
- NASSCOM-NVIDIA Deep Learning (25th July,2024)
- MATH(Machine Learning Artificial Intelligence Technology Hub) @NVIDIA (Nov,2024)
- AI Day Bengaluru @E2E (Nov,2024)
- ISRS-Indian Society Of Remote Sensing. Membership ID: L-5313, Lifelong membership

Recognition Award- Microsoft Student Club Advisor-2024

Courses Taught: Data Structures & Applications, Analysis & Design of Algorithms, Software Engineering, Operating System, Machine Learning

Publications/Patents:

Publications	<p>Extraction of Water and Riverine Sand using Deep Learning on Multispectral Remote Sensing Images Sharma, M., Supriya, M., Kumar, A., Dhyani, K., Chaturvedi, P. 7th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2023 - Proceedings, 2023, pp. 849–854</p>
Patents	-
Book/Book Chapters	<p>A Deep Learning Framework for Extraction of Crop and Forest Cover from Multispectral Remote Sensing Images Sharma, M., Kumar, A., Supriya, M., Kishore, S.</p>

Agriculture and Climatic Issues in South Asia: Geospatial Applications, 2023, pp. 14–22

Machine learning in remote sensing data—a classification case study

[Sharma, M.](#), [Kumar, A.](#), [Supriya, M.](#), [Singh, V.](#), [Kishore, S.](#)

Atmospheric Remote Sensing: Principles and Applications, 2022, pp. 413–428