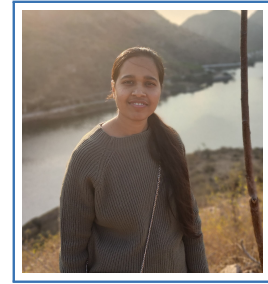


Nidhi Kumari

Curriculum Vitae

Ranchi
Jharkhand, India
☎ (+91) 9123438772
✉ nidhi3rdjan1995@gmail.com
🏠 homepage



Education

- 2019–2024 **Ph.D. Degree from Department of Computer Science and Engineering, Indian Institute of Technology (ISM) Dhanbad, Supervisor: Prasanta K. Jana.**
Thesis Title: Metaheuristic-based Offloading Algorithms for Fog Computing in Internet of Things Platform
- 2017–2019 **M.Tech. from Department of Computer Science and Engineering, National Institute of Technology, Agartala.**
CGPA: 8.75
- 2013–2017 **B.Tech from Department Computer Science and Engineering, Motihari College of Engineering, Motihari.**
CGPA: 8.36
- 2010–2012 **Senior Secondary Education, Rajiv Gandhi Inter College, Pindra, Tapin.**
Jharkhand Percentage: 63.2%
- 2010 **Higher Secondary Education, Carmel Girls' High School, Ranchi.**
Jharkhand Percentage: 81.2%

Research Interests

, *Fog Computing, Evolutionary Algorithms and Machine Learning.*

Positions of Responsibility

- Feb 2025–till date **Assistant Professor, Dept. of Electronics & Computer Engineering, National Institute of Advanced Manufacturing Technology (NIAMT - Deemed university under Distinct Category under MoE), Ranchi, Jharkhand, India.**

Skills and Activities

- Programming Language C, Python
- Environment Latex, Microsoft Office
- Operating System Windows, Linux

Publications

Journals

- S Chaudhary, F Kapadia, A Singh, Nidhi Kumari, PK Jana, "Prioritization-based delay sensitive task offloading in SDN-integrated mobile IoT network" *Pervasive and Mobile Computing* (2024).
- Nidhi Kumari, PK Jana, "Communication efficient federated learning with data offloading in fog-based IoT environment" *Future Generation Computer Systems* (2024).
- Nidhi Kumari, PK Jana, "A metaheuristic-based task offloading scheme with a trade-off between delay and resource utilization in IoT platform", *Cluster Computing* (2023).
- Nidhi Kumari, A Yadav, and PK Jana, "Task offloading in fog computing: A survey of algorithms and optimization techniques", *Computer Networks* (2022).

Conferences

- Nidhi Kumari, PK Jana, "Multiple criteria decision making-based task offloading and scheduling in fog environment", In *International Conference on Distributed Computing and Intelligent Technology*, Cham: Springer Nature Switzerland (2023).

Workshops

- Artificial Intelligence (AI), AICTE Training And Learning (ATAL) Academy (22-26 February 2019) NIT Agartala.
- Attended workshop on *Designing Smart Cities Based on Internet of Things (IoT)*, Global Initiative for Academic Networks (GIAN) (11-15 December 2017) NIT Agartala.

Achievements/Awards

- "**Best Student Paper Award**" in "DC Track" at the International Conference on Distributed Computing and Intelligent Technology held during January 18-22, 2023.
- Graduate Aptitude Test in Engineering (GATE) Qualified in the Subject - Computer Science & Engineering
- Reviewer in some of the reputed journals and conferences.

Referees

- Prof. Prasanta K. Jana, Department of Computer Science & Engineering, Indian Institute of Technology (Indian School of Mines) Dhanbad, Jharkhand-826004, Email address- prasantajana@iitism.ac.in
- Prof. Sachin Tripathi, Department of Computer Science & Engineering, Indian Institute of Technology (Indian School of Mines) Dhanbad, Jharkhand-826004, Email address- sachin2781@iitism.ac.in

Declaration

I do hereby declare that all the details furnished above are true to the best of my knowledge and belief.

Place: Ranchi, Jharkhand (India)

(Nidhi Kumari)