

## Ramesh Singh

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Joining Date: 15-May-2015



## Education

Examination	University/Institute	Year
Ph.D. (CSE)	IIIT Guwahati	Pursuing
Master of Technology(CSE)	IIT Guwahati	2013
Bachelor of Technology(CSE)	UPTU, AKGEC Ghaziabad	2010

## Research Publications

- 1- **Ramesh Singh**, Radhika Sukapuram, Suchetana Chakraborty, A survey of mobility-aware Multi-access Edge Computing: Challenges, use cases and future directions, Ad Hoc Networks, Elsevier 2023, Volume 140, 103044, ISSN 1570-8705
- 2- **Ramesh Singh**, Chenlep Yakhya Konyak, and Akangjungshi Longkumer. "A Multi-Access Edge Computing Approach to Intelligent Tutoring Systems for Real-Time Adaptive Learning." International Journal of Information Technology 17.4 (2025): 2117-2128.
- 3- **Ramesh Singh**, Sandip Chakraborty, and Sushanta Karmakar. "Concurrent deterministic 1-2 skip list in distributed message passing systems." International Journal of Parallel, Emergent and Distributed Systems, Taylor and Francis, 30, no. 2 (2015): 135-174.
- 4- **Ramesh Singh**, Akangjungshi Longkumer, "A survey on various distributed data structure exist for P2P system", Nagaland University Research Journal, ISSN : 0973-0346, 2016.
- 5- **Ramesh Singh**, Radhika Sukapuram, Suchetana Chakraborty, *Mobility-aware Multi-Access Edge Computing for Multiplayer Augmented and Virtual Reality Gaming*, 2022 IEEE 21st International Symposium on Network Computing and Applications (NCA)
- 6-**Ramesh Singh**, and Radhika Sukapuram. "Multi-SP Profit Maximization and Game Frame Time Reduction Scheme for Multi-Access Edge." In 2025 National Conference on Communications (NCC), pp. 1-6. IEEE, 2025.
- 7-**Ramesh Singh**, Chenlep Yakhya Konyak, Akangjungshi Longkumer, Anand Kumar, Akash Sarkar, Ashim Paul, and Gaurab Thapa. "Recommendation System to Assist Learner: Intelligent Tutoring System." In International Conference on Biologically Inspired Techniques in Many-Criteria Decision-Making Technologies, pp. 233-242. Cham: Springer Nature Switzerland, 2024.
- 8- Kuraktsang, K., **Ramesh Singh**, Akangjungshi Longkumer, Chenlep Yakhya Konyak, and Bendangchila Longkumer. "Real-Time and Pre-Booked Road Side Parking System Using Internet of Things." In International Conference on Biologically Inspired Techniques in Many-Criteria Decision-Making Technologies, pp. 396-402. Cham: Springer Nature Switzerland, 2024.

## Experience

- Assistant Professor in the **Dept. Of Computer Science & Engineering, Nagaland University** since May 2015
- Teaching Assistant with **NIT Nagpur**, July 2014 – May 2015

## Workshop/seminar Attended:

- Two-Day Workshop on NLP for Indigenous Languages of Northeast India: Focus on Naga Languages, 18-19<sup>th</sup> March 2025, Organized by Nagaland University.
- Faculty Development Programme, 24th-28th March 2025, organized by Internal Quality Assurance Cell, Nagaland University
- FDP on "Advanced Computer Architecture" offered by NPTEL-AICTE , Feb-Apr 2022
- FDP on "Introduction to Research" offered by NPTEL-AICTE, Feb-Apr 2022
- FDP on "Internet of Things" offered by NPTEL-AICTE, Jul-Oct 2022
- Webinar on "Improving research writing using Grammarly", organized by Nagaland University and BridgePeople, 30th March 2022
- Training cum Workshop on "ACADEMIC ADMINISTRATION" (Module 3 and 4) organized by, Nagaland University, 2020
- Refresher course "ARPIT 2019" through SWAYAM organized by IIT Bombay from 3rd September to 31st December, 2019.
- Workshop on "IoT and Blockchain" at IIIT Guwahati from 28th-29th September, 2019.
- Workshop on "Android App Development" organized by SET Dimapur, Nagaland University, 22<sup>nd</sup>-23<sup>rd</sup> September (2017)
- Workshop on "Writing Magic with Latex" organized by NIT Nagaland (18<sup>th</sup> May 2016).
- Workshop on "Foundations of Software Technology and Theoretical Computer Science, at IIT Guwahati (2013).
- Workshop on "Introduction to Graph and Geometric Algorithms" at IIT Guwahati (2012).
- Workshop on "Industrial Conclave" in Techniche at IIT Guwahati (2012).
- Workshop on "Ethical Hacking and Information Security, workshop" in Techniche at IIT Guwahati (2011).
- A seminar on "Microsoft DreamSpark Yatra" at Ajay Kumar Garg Engg. College, Ghaziabad (2010).

## Official Duties Assigned:

- CSE Dept. In-charge (from 14<sup>th</sup> July 2025-Present)
- Placement In-charge from Aug 2021- 30<sup>th</sup> July 2025
- Common pool In-charge (From 3rd Aug 2019 - Aug 2021).
- CSE Dept. In-charge (From 3rd Aug, 2017 - Aug 2019).
- SET, Games & Sports In-charge (26th May 2017- Aug 2019)

## Scholastic Honours and Achievements

- Ad Hoc Networks 2024 Best Paper Award
- Best paper award at 3rd International Conference on Biological-Inspired Techniques in Many-Criteria Decision-Making (BITMDM-2024)
- Organized a national level workshop on Android App Development at SET Dimapur, Nagaland University, 22<sup>nd</sup> -23<sup>rd</sup> September, 2017
- Qualified UGC NET and JRF June, 2014 Exam
- Qualified GATE
- Got 1<sup>st</sup> position in Badminton Doubles during Sports Meet, NU 2016, 2017, 2018, 2019, 2020, 2023
- Organized a one-day workshop on Web 3 Technology at SET-NU, 11th May 2023

## Areas of Interest

Operating System and Computer Architecture, Data Structure and Programming, Internet of Things, Multi-access Edge Computing

## Subjects taught

Operating system, Internet of Things, Python programming language, Advanced computer architecture, C programming language, Software testing, Computer architecture & organization, Compiler design.