

**Kushagra Mishra, Senior Software Engineer - Nutanix
North Carolina, USA
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IEEE Senior Member**

SPECIALTIES

Distributed Systems, Disaster Recovery, Backup, Data Storage Systems, Data Protection, Software Defined Storage, File Systems, Cloud Infrastructure, Computer Networks, Operating Systems, Software Engineering

Education

- 2018 MS, Computer Science**
North Carolina State University, NC, USA
- 2014 B.E, Computer Science & Engineering**
Ramaiah Institute of Technology, Bengaluru, India

Professional Experience

07/2018 to Present: Nutanix, NC, USA – Member of Technical Staff, DR & Backup, Hybrid Cloud Infrastructure

Senior Software Developer at the Disaster Recovery (**DR**) and Backup team with a focus on design and development of distributed services for DR and Backup solutions with TAM > 11 Billion Dollars.

05/2017 to 05/2018 Software Engineer Intern - VT iDirect, VA, USA

Intern with the Satellite Communication Team.

07/2014 to 07/2016 Software Engineer with Juniper Networks, Bengaluru, India

Software Developer with Management Plane Team with a focus on design and development of modules for Authentication, Authorization and Accounting services.

Professional Organizations and Honorary Societies

IEEE Senior Member

Publications

2014: K. G. Srinivasa, S. Srinidhi, K. S. Kumar, V. Shenvi, U. S. Kaushik and K. Mishra, "Game theoretic resource allocation in cloud computing," *The Fifth International Conference on the Applications of Digital Information and Web Technologies (ICADIWT 2014)*, Bangalore, India, 2014, pp. 36-42, doi: 10.1109/ICADIWT.2014.6814667.

2015: Krishnarajanagar Srinivasa, Gaddadevara Siddesh, and Kushagra Mishra, "Influence of Big Data on Cyber-Physical Systems" (**2015**), Cyber-Physical Systems: A Computational Perspective (1st ed.). Chapman and Hall/CRC. <https://doi.org/10.1201/b19206>

2016: Srinivasa, K. G., Siddesh, G. M., Hiriyanaiyah, S., Mishra, K., Prajeeth, C. S., & Talha, A. M. (**2016**). GPU Implementation of Friend Recommendation System using CUDA for Social Networking Services. In G. Deka, G. Siddesh, K. Srinivasa, & L. Patnaik (Eds.), Emerging Research Surrounding Power Consumption and Performance Issues in Utility Computing (pp. 304-319). IGI Global. <https://doi.org/10.4018/978-1-4666-8853-7.ch015>

2016: K.G., S., Hegde, G., Mishra, K., Siddiqui, M. N., Kumar, A., & Kumar D., P. (**2016**). Microsense: Sensor Framework for IoT System-on-Chip. International Journal of Handheld Computing Research (IJHCR), 7(3), 38-55. <http://doi.org/10.4018/IJHCR.2016070104>

2021: Hiriyanaiyah, S. et al. (**2021**). Data Science Tools and Techniques for Healthcare Applications. In: Srinivasa, K.G., G. M., S., Sekhar, S.R.M. (eds) Artificial Intelligence for Information Management: A Healthcare Perspective. Studies in Big Data, vol 88. Springer, Singapore. https://doi.org/10.1007/978-981-16-0415-7_10

Patents

Replication Progress Tracking (Patent Pending)

Automating configuration for Disaster Recovery Preparation System (Patent Pending)

Peer Reviews

2024 4th International Conference on Information Technology and Cloud Computing (ITCC 2024), Japan

2024 International Conference on Computing, Machine Learning and Data Science (CMLDS 2024), Singapore

2024 Conference on Information Communications Technology and Society (ICTAS 2024), Durban, South Africa

2nd International Conference on Advancement in Computation & Computer Technologies (InCACCT-2024), India

2024 24th International Conference in Web Engineering, Tampere, Finland

IEEE SoutheastCon 2024, USA

Courses Authored

Competitive Programming, Ramaiah Institute of Technology, **2013**