

Kishore Babu Nampalle

Indian Institute of Technology Roorkee

Roorkee, Haridwar dist., Uttarakhand State, India

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🌐 <https://www.linkedin.com/in/kishore-babu-nampalle-2a5402a8>

🌐 <https://github.com/kishorebabun>



Education

Program	Institution/Board	Year
Ph.D. (Computer Science & Engg.)	Indian Institute of Technology Roorkee Roorkee, India	2019-Synopsis submitted on January 22, 2024
M.Tech. (Computer Science & Engg.)	Indian Institute of Technology Roorkee Roorkee, India	2015-17
B.Tech. (Computer Science & Engg.)	Sri vidyanikethan engineering college Tirupati, India	2008-12
Intermediate (M.P.C)	Krishna Reddy's Sri Chaitanya College Tirupati, India	2006-08
S.S.C	A.P.R.S Gyarampalli	

Course Work

- Course: Database management system(DBMS), Advanced DBMS, Digital Logic design (DLD), Object Oriented Programming, Machine Learning, AI.
- Lab: Programming Languages in C, C++, Java, Python

Technical Skills

- Programming Language: C, C++, Java, Python
- Database System: Mysql
- Deep Learning: CUDA, TensorFlow, Pytorch, and its compatible libraries.
- Web Technology: HTML, XML
- Operating System: Windows, Linux

Positions of Responsibility

- *Worked as an assistant professor in Vignan's Deemed to be University (20-06-2017 to 18-12-2018).* [Teaching as a faculty advisor and student counselor.](#)
- [Teaching Assistant \(Ph.D.\)](#) in CSE Department, IIT Roorkee (January, 2019-December, 2024).
- *Reviewer for International Conferences (CVIP, ICONIP).*

Workshops

- Certified by International Centre for theoretical physics (ICTP) for participation and completion of online Youth in High-dimensions: Machine Learning, Highdimensional Statistics and Inference for the New Generation 29 Jun - 03 Jul 2020. [ICTP certification](#)
- Attended IEEE International Conference on Image Processing on 25 – 28 October, 2020 Abu Dhabi, UAE (Virtual). [Certificate of participation in ICIP 2020.](#)
- Attended Fourth International Conference on Computer Vision & Image Processing (CVIP 2019) held in jaipur, Rajasthan , India.
- Participated in conducting the Workshop (virtual) on Digital Image Processing and its Applications (DIPA-2020) at NIT Arunachal Pradesh, India.

Achievements/Awards

- Received the Honorarium from District collector for securing the Highest marks in S.S.C Public Examination.
- Awarded with a Certificate for participating in Ethical Hacking as an active participant.
- Awarded with a Certificate for merit in scoring in General Knowledge & Talent Test.
- Got merit scholarship for the achievement in securing first rank in Secondary School Examination in district level from Indian Bank.
- Received Alumni Funds from Indian Institute of Technology Roorkee to Present my Research paper in International Conference.

- Received Microsoft research funds from IIT Roorkee to attend IEEE International Conference.
- Got US visa with 10 years validity i.e valid upto January 15, 2030.
- Attended and Presented (Offline) my research paper in 14th IEEE International Conference on Semantic Computing (ICSC 2020), which was held on Feb 3-5, 2020, San Diego, California, USA.
- Receiving M.H.R.D fellowship from Govt. of India.

Visits

○ National Visits:

1. Attended CVIP International conference, MNIT, Jaipur (Rajasthan)
2. Participated in conducting the Workshop (virtual) on Digital Image Processing and its Applications (DIPA-2020) at NIT Arunachal Pradesh, India

○ International Visits:

1. Attended (Offline) ICSC international conference, California, Sandiago,USA.
2. Attended ICTP certification course (Virtually), Italy.
3. Attended IEEE International Conference on Image Processing at Abu Dhabi, UAE (Virtual)

Publications

1. Nidhi Saxena, **Kishore Babu Nampalle**, Balasubramanian Raman: Semantic segmentation of multispectral images using res-seg-net model, Proceedings of IEEE 14th International Conference on Semantic Computing (ICSC), February 3-5, 2020, San Diego, California, USA. **(Published)**
2. **Kishore Babu Nampalle**, Raman B.: An efficient approach for skin lesion segmentation using dermoscopic images: A deep learning approach. Proceedings of 5th IAPR International Conference on Computer Vision and Image Processing, December 4-6, 2020, pp. 430–439, Springer. **(Published)**
3. **Kishore Babu Nampalle**, Raman B. An efficient multi-functional deep learning model for effective medical image classification using skin lesion database, Proceedings of IEEE 5th International Conference on Multimedia Information Processing and Retrieval (MIPR), August 2-4, 2022 (pp. 425-429), IEEE. **(Published)**
4. Goyal, P., Raj, A., Kumar, P. and **Kishore Babu Nampalle**, 2022, August. Automatic Evaluation of Machine Generated Feedback For Text and Image Data, Proceedings of IEEE 5th International Conference on Multimedia Information Processing and Retrieval (MIPR), August 2-4, 2022, (pp. 413-418), IEEE. **(Published)**
5. **Kishore Babu Nampalle**, Shriansh Manhas and Balasubramanian Raman, Medical image security and authenticity via dual encryption, Applied Intelligence, Springer, April 2023. **(Published)**
6. **Kishore Babu Nampalle**, Anshul Pundhir, Pushpamanjari Ramesh Jupudi and Balasubramanian Raman, Towards Improved U-Net for Efficient Skin Lesion Segmentation, Multimedia Tools and Applications, Springer, April 2023. **(Published)**
7. **Kishore Babu Nampalle**, Pradeep Singh, Vivek Narayan Uppala, and Balasubramanian Raman, Transcending Grids: Point Clouds and Surface Representations Powering Cross-Domain Imaging, IEEE Transactions on Biomedical Engineering, Dec 2023. **(Under Review)**
8. **Kishore Babu Nampalle**, Pradeep Singh, Shubhi Srivastava, Vivek Narayan Uppala, and Balasubramanian Raman, Medical Imaging Diagnostics via Anisotropic Diffusion in a Resource-Efficient Federated Learning Model, IEEE Transactions on Emerging Topics in Computational Intelligence, December 2023. **(Under Review)**
9. **Kishore Babu Nampalle**, Nirmala Bhatt, Balasubramanian Raman, Enhancing Medical Image Classification Efficiency: A Deep Learning Approach Integrating CNN and LSTM, Medical & Biological Engineering & Computing, January 2024. **(Communicated)**
10. **Kishore Babu Nampalle**, Pradeep Singh, Uppala Vivek Narayan, Balasubramanian Raman, Vision Through the Veil: Differential Privacy in Federated Learning for Medical Image Classification, <https://doi.org/10.48550/arXiv.2306.17794>

11. Pradeep Singh, **Kishore Babu Nampalle**, Uppala Vivek Narayan, Balasubramanian Raman, See Through the Fog: Curriculum Learning with Progressive Occlusion in Medical Imaging, <https://doi.org/10.48550/arXiv.2306.15574>

Others

o Hobbies: Travelling, Self Learning, Playing games

o Languages: Telugu, English, Hindi.

Place: IIT Roorkee, Uttarakhand (India)

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