

Dr. Kishore Babu Nampalle

Indian Institute of Technology Roorkee

Roorkee, Haridwar dist., Uttarakhand State, India

✉ kbabu89@cs.iitr.ac.in, kishorebabu573@gmail.com

🌐 <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	2019-2024 (Date of Defence: June 24, 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 done so far

- 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).*
- Reviewer for International Journal (Journal of Real-Time Image Processing).

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)

(Kishore Babu Nampalle)