

Anusha R

Personal info

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Career Objective

To obtain a suitable position in a reputed organization where I can apply my education and personal qualities to the fullest, and continue to grow my learning and knowledge.

Education

National Institute of Technology Karnataka, Surathkal 2016-2021
Doctor of Philosophy

Bapuji Institute of Engineering and Technology, Davanagere 2011-2013
Master of Technology in Computer Science and Engineering

University B.D.T College of Engineering, Davanagere 2007-2011
Bachelor of Engineering in Computer Science and Engineering

Professional Experience

Associate Professor in the Dept. of Computer Science and Engineering at Bapuji Institute of Engineering and Technology, Davanagere
February 2024 - Till date

Assistant Professor in the Dept. of Master of Computer Applications at KLE Dr. M. S. Sheshgiri College of Engineering and Technology, Belagavi
October 2022 - February 2024

Assistant Professor in the Dept. of CS&E at KLE Dr. M. S. Sheshgiri College of Engineering and Technology, Belagavi
October 2021 - October 2022

Teaching Assistant in the Dept. of IT at National Institute of Technology Karnataka, Surathkal
July 2016 - September 2020

Assistant Professor in the Dept. of CS&E at Bapuji Institute of Engineering and Technology, Davanagere

July 2015 - June 2016

Research Interests

Data Science and Machine Learning

Courses Taught

Operating System, Machine Learning, Principles of Programming through C and Database Management System

Fellowship

Recipient of the Visvesvaraya Ph.D. Fellowship (Awarded by the Ministry of Electronics and Information Technology, Government of India)

Publications

Journal Papers

1. Anusha R, and Jaidhar C D. (2019), "Human gait recognition based on histogram of oriented gradients and Haralick texture descriptor", Journal of Multimedia Tools and Applications, Springer, DOI 10.1007/s11042-019-08469-1. **(SCI and Scopus Indexed)**
2. Anusha R, and Jaidhar C D. (2019), "Clothing invariant human gait recognition using modified local optimal oriented pattern binary descriptor", Journal of Multimedia Tools and Applications, Springer, DOI 10.1007/s11042-019-08400-8. **(SCI and Scopus Indexed)**

Conference Papers

1. Anusha R, and Jaidhar C D. (2018), "On human identification using running patterns: a straightforward approach", In 18th International Conference on Intelligent Systems Design and Applications, (ISDA 2018). DOI 10.1007/978-3-030-16660-1_32. **(Scopus Indexed)**
2. Anusha R, and Jaidhar C D. (2019), "An approach to speed invariant gait analysis for human recognition using mutual information", International Conference of IEEE region 10, (TENCON 2019). DOI: 10.1109/TENCON.2019.8929256. **(Scopus Indexed)**

3. Anusha R, and Jaidhar C D. (2019), “Frontal gait recognition based on hierarchical centroid shape descriptor and similarity measurement”, In 5th International Conference on Data Science and Engineering, (ICDSE 2019). DOI: 10.1109/ICDSE47409.2019.8971477. (**Scopus Indexed**)
4. Anusha R, and Jaidhar C D. (2019), “Gaussian filtered gait energy template and centroid corner distance features for human gait recognition”, In 14th International Conference on Industrial and Information Systems, (ICIIS 2019). DOI: 10.1109/ICIIS47346.2019.9063346. (**Scopus Indexed**)
5. Anusha R, and Jaidhar C D. “Speed-invariant Gait Recognition using Correlation Factor Lists for Classroom Attendance Systems”, In 5th International Conference on Machine Learning, Image Processing, Network Security, and Data Sciences (MIND 2023). (**Scopus Indexed**)

Book Chapter

1. Anusha R, and Jaidhar C D. “Gait features-based Human Recognition Approaches”, In 20th International Conference on Distributed Computing and Intelligent Technology (ICDCIT 2024) Ph.D. Research Symposium. (**Scopus Indexed**)

Workshops/Short Term Courses Attended

1. Workshop on **IoT (Internet of Things)** organized by Indian Institute of Information Technology Dharwad from 22nd April 2017 to 23rd April 2017.
2. Workshop on **IoT (Internet of Things)** organized by National Institute of Technology Karnataka, Surathkal on 13th January 2017.
3. Workshop on **Motion Understanding for Medical Applications** organized by National Institute of Technology, Rourkela from 25th August 2017 to 29th April 2017.
4. Workshop on **Activity based Learning with Emphasis to Problem based Learning in Engineering Education** organized by Dr. M S Sheshgiri College of Engineering and Technology, Belagavi from 25th November 2021 to 27th November 2021.
5. GIAN course on **Mathematical Methods for Image Processing** organized by National Institute of Technology Karnataka, Surathkal from 23rd October 2017 to 27th October 2017.
6. Tutorial session on **System Design Challenges & Solutions using National Instruments Platform** conducted as a part of IEEE TENCON 2019, organized by IEEE Kerala section, from 17th October 2019 to 20th October 2019.
7. Tutorial session on **Deep Learning with MATLAB** conducted as a part of IEEE TENCON 2019, organized by IEEE Kerala section, from 17th October 2019 to 20th October 2019.

8. Research evaluation workshop for presentation of **Research Work** organized by Visvesvaraya PhD Scheme for Electronics & IT/ITES held at Punjab Engineering College, Chandigarh from 17th July 2019 to 19th July 2019.
9. Participated in **International Conference on Applied and Theoretical Computing and Communication Technology** held at Bapuji Institute of Engineering & Technology, Davanagere from 29th October 2015 to 31st October 2015.
10. Participated in the tenth edition of **Research in Engineering Education Symposium** held at KLE Technological University, Hubballi from 4th January 2024 to 6th January 2024.
11. Engaged classes in **Summer Internship** held at National Institute of Technology Karnataka, Surathkal from 11th June 2018 to 6th July 2018.