

RAHUL D.

Rohini Nivas
Ayiravalli Temple Lane
Chempazhanthu p.o
Trivandrum
Email: drahul198@gmail.com
Mob: +91 8089693198/8848164160

Educational qualifications

- **Master of Technology (M. Tech.)** in Computer Science (with specialization in Digital Image Computing) from University of Kerala.

Dissertation Title: "MultiExposure Image Fusion with Gradient Domain Guided Image Filtering"
Supervisor: Dr.D. Mubammad Noorul Mubarak, Department of Computer Science, University of Kerala.

Institute: Department of Computer Science, University of Kerala, Thiruvananthapuram.

- **Bachelor of Technology (B. Tech.)** in Information Technology from University of Kerala.

Institute: Mar Baselios College of Engineering , Thiruvananthapuram.

- **Plus-Two (Science Group)**

Institute: MVHSS , Thiruvananthapuram.

- **SSLC(2007)**

Institute: St Mary's HSS Thiruvananthapuram.

- **GATE** qualified in Computer Science and Engineering .

- **UGC NET** qualified in Computer Science and Applications.

Experience

- **Assistant Professor(Guest)**, Department of Computer Science, Mar Ivanios College, Trivandrum, Kerala, India. (28.12.2020 to till now)
- **Assistant Professor(Guest)**, School of Computer Science , Mahatma Gandhi University , Kottayam, Kerala, India. (05.01.2020 to 30/9/2020)
- **Assistant Professor**, Department of Computer Science and Engineering, PRS College of Engineering and Technology, Thiruvananthapuram, Kerala, India. (07.02.2018 to 14.01.2019)

Research Publications

Journals

1. Shabin Muhammed, **Rahul D** and Vishnukumar S., "Hyperspectral and Multispectral Image Fusion Techniques", International Journal of Recent Technology and Engineering (IJRTE) Vol.8 Issue. 5, January 2020. (**Scopus Indexed**).
2. **Rahul D** and Vishnukumar S., "Image Fusion Techniques", International Journal of Recent Technology and Engineering (IJRTE) Vol.8 Issue. 5, January 2020. (**Scopus Indexed**).
3. **Rahul D.** and Shabin Muhammed , "Multi-Exposure Image Fusion with Gradient Domain Filtering" Optics Communications, Elsevier(communicated)

Academic projects:

1. Content adaptive Image Detail Enhancement.
2. Gradient Domain Guided Image Filtering.
3. High Dynamic Range Image Compression by Optimizing Tone Mapped Image Quality index.
4. Multi-Exposure Image Fusion with Gradient Domain Guided Image Filtering.

Awards and Honours:

- Best M-Tech Dissertation Award, From Dept. Of Computer Science Kariavattom Campus, Thiruvananthapuram, Kerala, India.

Workshop Attended:

1. National Conference on Image Processing and Machine Vision-NCIPMV 2017
Organized by Department of Computer Science, University of Kerala, Kariavattom, Thiruvananthapuram, on March 22-24, 2017.
2. National Seminar on Machine Intelligence - NSMI 2017
Organized by Department of Computer Science, University of Kerala, Kariavattom, Thiruvananthapuram, on March 27-28, 2017.

3. Multi-Disciplinary Annual Research Conference - MARC 2015
Organized by the Internal Quality Assurance Cell, University of Kerala, on December 17, 2015.
4. National Workshop on Technologies and Tools for Scientific Research-sept 2017
Organized by Department of Computer Science, University of Kerala, Kariavattom, Thiruvananthapuram, on Sept 25-27, 2017.

Project Guided

MSc

- Gopika babu, Reshma Pushpangathan- RGB-'D' Saliency Detection via Pseudo Depth.
- Vinitha, Anju - A Variational fusion model for Non- illumination images.

Research Interests:

- Digital Image Processing
- Computer Vision
- Data Structures

Declaration:

I hereby certify that the information given above is correct and complete to the best of my knowledge.

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