

# RESUME

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## Career Objective

Dedicated and accomplished Assistant Professor with 16 years of teaching, 8 years of research, and academic leadership experience in the JNNCE MCA Department. Skilled in mentoring students, curriculum development, and contributing to research publications. Seeking to leverage expertise in Computer Applications and emerging technologies to foster innovation in academics and research.

## Academic Qualifications

- ❖ Perusing Ph.D. (Computer Science), VTU
- ❖ MCA (Master of Computer Applications), VTU, 2008
- ❖ B.Sc. (Computer Science), Kuvempu University ,2005

## Professional Experience (18 Years)

- ❖ Currently working as an **Assistant Professor in the MCA Department at Jawaharlal Nehru National College of Engineering (JNNCE)**, where I handle MCA postgraduate teaching, guide student projects (including those recognized under **KSCST**), and actively contribute to academic administration, curriculum development, and research mentoring
- ❖ Worked as a **Lecturer in the Management Department at Krupandhi College of Management (2008–2010)**, where I taught undergraduate courses in Management and Computer Application
- ❖ I also served as a **Board of Examiners (BOE) Member** during the academic year **2022–23** and hold membership in the **Indian Society for Technical Education (ISTE)**.
- ❖ I have been actively involved in **teaching, student mentoring, and academic support**, with extensive experience in guiding over **170+ postgraduate dissertations** and **20+ undergraduate projects**.

- ❖ I have published **8 conference papers** in reputed **Scopus-indexed journals** and conferences.

## Research Interests

- ❖ Artificial Intelligence & Machine Learning
- ❖ Computer Vision & Image Processing
- ❖ Data Mining & Big Data Analytics

## Publications

1. Manjunatha HT and Ajit Danti. “A Novel Approach for Detection and Recognition of Traffic Signs for Automatic Driver Assistance System Under Cluttered Background” - Recent Trends on Image Processing and Pattern Recognition, Springer Nature Singapore, Pte Ltd. 2019, RTIP2R 2018, CCIS 1035, pp. 1–8, 2019, ISBN 978-981-13-9181-1 DOI - [https://link.springer.com/chapter/10.1007/978-981-13-9181-1\\_36](https://link.springer.com/chapter/10.1007/978-981-13-9181-1_36).
2. Manjunatha HT and Ajit Danti. “Detection and Classification of Potholes in Indian Roads using Wavelet Based Energy Modules“IEEE- 978-1-5386-9319-3/19 © 2019, SCOUPS Nature
3. Manjunatha HT, Ajit Danti, Arunkumar KL, Rohith D” Indian Road Lanes Detection Based on Regression and clustering using Video processing Techniques”, Springer Nature Singapore Pte Ltd. 2021 K. C. Santosh and B. Gawali (Eds.): RTIP2R 2020, CCIS 1380, pp. 1–14, 2021. [https://doi.org/10.1007/978-981-16-0507-9\\_17](https://doi.org/10.1007/978-981-16-0507-9_17).
4. Manjunatha HT and AjitDanti,” Indian traffic sign board recognition using Normalized Correlation Method”, International Journal of Computer Engineering and Applications (IJCEA), Volume XII, Issue III, March 18, ISSN 2321-3469
5. Manjunatha HT and AjitDanti, “Segmentation of Traffic Sign Board in a cluttered background using Using Digital Image Processing”, National Conference on Network Security, Image Processing and Information Technology, March 2017.
6. K L Arunkumar and Ajit Danti. H T Manjunatha, D Rohith “Classification of Vehicle Type on Indian Road Scene Based on Deep Learning”: Recent Trends on Image Processing and Pattern Recognition, Springer Nature Singapore Pte Ltd. 2021, RTIP2R 2020, CCIS 1380, Springer, pp. 1–10, 2021.
7. Manjunatha HT and Ajit Danti, “Segmentation of Indian Road Sign using image processing technique, National Conference on Network Security, Image Processing and Information Technology, March 2017

8. Manjunatha HT and Poornima KM ,Ajit Danti , Arunkumar KL “The Design of Driver Fatigue Detection Based on Eye Blinking and Mouth Yawing” National Conference on control instrumentation system conference CISCON 2023, Springer Nature Singapore Pte Ltd. 2024, Vol 1, [https://doi.org/10.1007/978-981-97-5866-1\\_31](https://doi.org/10.1007/978-981-97-5866-1_31)

### Workshops/FDPs Attended

- ❖ **Microsoft Power BI Data Analyst Associate** – FDP at JNNCE, Shivamogga (July 2025).
- ❖ **Quantum Computing: Pioneering Innovations in Modern Computer Technology** – FDP at UBDT College, Davanagere, AICTE-sponsored (Dec 2024).
- ❖ **Genome Engineering & Technology** – FDP at BDT College of Engineering, AICTE-sponsored (Sep–Oct 2022).
- ❖ **Multidisciplinary Trends in Information Technology** – FDP at AIT, Chikkamagaluru, CSI-sponsored (July 2022).
- ❖ **Online Elementary FDP on Artificial Intelligence** – Central University of Kerala, AICTE-sponsored (Feb 2022).
- ❖ **Artificial Intelligence and Machine Learning** – FDP at JNNCE, Shivamogga, organized by CSI, ISTE & IETE (Sep–Oct 2021).
- ❖ **ATAL Academy FDP** – JNNCE, Shivamogga, AICTE-sponsored (Feb 2021).
- ❖ **Paradigm Shift and Higher Education Teaching and Vision** – FDP at JNNCE, Shivamogga, ISTE-sponsored (July 2019).
- ❖ **Image Processing and its Research Challenges** – FDP at JNNCE, Shivamogga, ISTE-sponsored (July 2018).

### Certification courses:

- ❖ NPTEL Certification – Database Management System (Jan 2023 – Mar 2023).

### Awards & Achievements

- ❖ **Best Paper Award** – National Conference organized by the Department of MCA, JNNCE Shivamogga (Dec 2017).
- ❖ **Best Paper Award** – International conference organized by Department of Instrumentation and Control Engineering, CISCON-2023, Manipal (Oct 2024).
- ❖ **KSCST Funded Project** – Received funding of ₹4,500 from the Karnataka State Council for Science and Technology (KSCST) for project development.

### Expert talks

- ❖ **Invited Talk on Graph Theory and its Applications** – Sir MVIT College, Bangalore (May 2023).
- ❖ **Technical Talk on Project Insight** – DVS College of Arts and Science, Shivamogga (June 2023).
- ❖ **Internship Insight** – SRNM College, Shivamogga (June 2024).
- ❖ **Programming in Current Scenario** – Soraba First Grade College (Feb 2024).
- ❖ **Mastering Aptitude: Key Strategies for Improvement** – Sir MVIT, Bangalore (Aug 2024).
- ❖ **Operating Systems** – NES-IAS, Shivamogga (June 2025).
- ❖ **Resource Person – Quantitative Aptitude** in *Three-week Inter & Intra Institutional Internship Program* – JNNCE, Shivamogga (Oct 2022).
- ❖ **Graph Theory and its Applications** – Sir MVIT College, Bangalore (May 2022).
- ❖ **MCA PGCET Coaching** – Organized by MCA Dept., JNNCE (Online, Oct 2021).
- ❖ **KMAT/PGCET 2019 – MCA Course Insight** – DVS College of Arts and Science, Shivamogga (Mar 2019).

### Professional Memberships

- ❖ ISTE

### Technical Skills

- ❖ Programming: C, C++, Java, Python
- ❖ Tools: MATLAB, TensorFlow, PyTorch,
- ❖ Databases: MySQL, Oracle
- ❖ Platforms: Linux, Windows

### Personal Details

- ❖ Date of Birth: 10/03/1984
- ❖ Nationality: Hindu
- ❖ Languages Known: Kannada, English, Hindi
- ❖ Marital Status: Married