

Faculty Profile

Personal Information

- **Name:** Mrs. Bhavya N Javagal
- **Designation:** Assistant Professor
- **Department:** [Computer Science and Engineering]
- **Email:** bhavyanj.rvitm@rvce.edu.in
- **Phone:** 91-9035717232

Google Scholar: <https://scholar.google.com/citations?hl=en&user=Cs6eO1oAAAAJ>

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ORCID: <https://orcid.org/000-0003-0224-6103>

- AI and ML
- NLP
- Cybersecurity
- Web Technologies

Research Focus

- **Primary Area:** AI and ML
- **Allied Areas:**
NLP

Academic Qualifications

- **Ph.D.:** [Computer Science], [Pursuing]
- **M.Tech.:** [Computer Science and Engineering], [AMCEC, VTU], [2013]
- **B.E. :** [Computer Science and Engineering], [RGIT, VTU], [2008]

Professional Experience

| Experience | | | |
|-------------------|---|---------------------------|----------------------------|
| S.No | Institute/College/Industry | Job Title | Duration (From- To) |
| 1. | RV Institute of Technology & Management | Asst. Professor Dept. CSE | Dec 02, 2024 – Till Date |
| 2. | T John Institute of Technology | Asst. Professor Dept. CSE | Oct 2013 – June 06, 2024 |

Publications & Patents

Conference Papers

1. Title:” Monochromatic Image Colorization using Machine Learning” Authors: Ms. Bhavya N Javagal, Dr. Srinivasa H P Journal: International Journal of Advanced Trends in Computer Science and Engineering Volume 11, No. 3 May-June 2022 Page No.117-119
2. Title:” Examining the Impact of Data Sampling on Methods for Network Intrusion Detection Based on Machine Learning” Author: Ms. Bhavya N Javagal Journal: Learning International Journal of Advances in Engineering and Management (IJAEM) Volume 5, Issue 3 No. 3 March 2023 Page No.744-746 www.ijaem.net ISSN: 2395-5252
3. Title: “Traffic Control Using Image Processing International Journal of Advances in Engineering and Management” Author: Ms. Bhavya N Javagal Journal: Learning International Journal of Advances in Engineering and Management (IJAEM) Volume 5, Issue 3 March 2023 Page No.471-473 www.ijaem.net ISSN: 2395-5252
4. Title: “Implementation of Safety measures using computer vision and machine learning algorithms” Author: Ms. Bhavya N Javagal Journal: International Journal of Research and Analytical Reviews 2023, IJRAR Volume 10, Issue 4 www.ijrar.org, ISSN 2340-5138
5. Title:” Indoor Personal Comfort Levels Monitoring using IoT” Author: Ms. Bhavya N Javagal Conference: National Conference on Soft Computing and Intelligent Networks, AMC Engineering College, Bangalore
6. Title:” Detecting the Quality of Food using Internet of Things and Machine Learning” Author: Ms. Bhavya N Javagal Journal: International Journal of Engineering and Techniques Volume 9 Issue 4, December 2023
7. Title:” Performance Evaluation of Clinical Models on Sequential Clinical Text for AI powered Medical Applications” Author: Ms. Bhavya N Javagal Conference: 2024 IEEE International Conference on Contemporary Computing and Communication -INC4 at Christ University 15-16 March 2024
8. Title:” A Performance Evaluation of Bio Medical Models On Medical Applications” Author: Ms. Bhavya N Javagal Conference: INTERNATIONAL CONFERENCE ON THE MYRIAD FACETS OF WOMEN: A CELEBRATION OF THE EXTRAORDINARY MARCH 1 - 2, 2024
9. Title:” Face Recognition based attendance system using PCA” Author: Ms. Bhavya N Javagal Journal: International Journal of Research in Engineering and Technology Volume 5, Special Issue 04 May 2016
10. Title:” MI Techniques using Query Determinization” Author: Ms. Bhavya N Javagal Journal: International Journal of Research in Engineering and Technology Volume 5, Special Issue 04 May 2016;

ICESMART 2016

11. Title:” Remote Online Big Data Analytics Architecture” Author: Ms. Bhavya N Javagal
Journal: International Journal of Research in Engineering and Technology Volume 5, Special Issue 04 May 2016; ICESMART 2016
12. Title:” Normalization of Query using Casting Tags” Author: Ms. Bhavya N Javagal
Journal: International Journal of Research in Engineering and Technology Volume 5, Issue 19 May 2017; ICPN2017
13. Title:” Securing Location Privacy in Geo-Social Application” Author: Ms. Bhavya N Javagal
Journal: International Journal of Research in Engineering and Technology Volume 3, Issue 19 May 2015; ICESMART 2015
14. Title:” Public Auditing for sharred data with efficient user Revocation in the cloud” Author: Ms. Bhavya N Javagal
Journal: International Journal of Research in Engineering and Technology Volume 3, Issue 19 May 2015; ICESMART 2015

Books/Book Chapters

1. Title: “Introduction to Artificial Intelligence Concepts, Techniques and Applications” ISBN:978-81-974075-0-5 DOI: <https://doi.org/10.59646/ai/209> Available on Amazon: <https://amzn.in/d/9UoeD6h>
2. Title: “Generative AI” ISBN:978-93-6674-58865 DOI: <https://doi.org/10.59646/ai/209> Available on Amazon: <https://amzn.in/d/9UoeD6h>
3. Title: “Artificial Intelligence for smarter computing” ISBN:978-81-992756-0-7 Available on Amazon: <https://amzn.in/d/9UoeD6h>

Patents **[Filed / Published / Granted]**

1. Title of the invention : IoT enabled RFID based Smart electric vehicle charging station for smart city application. Date of filing of Application :15/10/2022 Application No.202241058987 A Publication Date : 18/11/2022
2. Title of the invention: Artificial Intelligence and IOT based Smart Trash Bin for Efficient Waste Management. Date of filing of Application :23/06/2024 Application No.:202441048117 A Publication Date: 05/07/2024
3. Title of the invention: Emotion Recognition System for text and speech using deep multimodal fusion. Date of filing of Application :15/07/2025 Application No.:202541067133 A Publication Date: 55/07/2025
4. Title of the invention: AI based household appliance safety monitoring device. Date of filing of Application :23/06/2025 Application No.:486144001 A Publication Date: 03/01/2026

Professional Memberships

- GSTE
- CSTA

Student Supervision

- Undergraduate Research Mentees: 30

Professional Roles

- **Editorial Board: HBRP Publications** Reviewer

Teaching

Core Courses:

- Big Data Systems
- Cloud Computing
- Database Management Systems
- Web Programming
- Data structures
- Automata Theory of Computations
- Compiler Design
- Computer Graphics