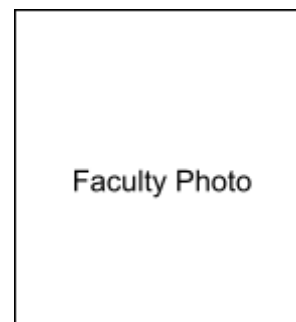


Faculty Profile

Brief Profile (Few Paragraphs)



Personal Information

- **Name:** Rekha B S
- **Designation:** Assistant Professor
- **Department:** Information Science and Engineering
- **Email:** rekhab@srvce.edu.in
- **Phone:** 080-68188252

Google Scholar - <https://scholar.google.com/citations?user=sjCw85gAAAAJ>

Domain of Expertise

- Machine Learning
- Computer Networks

Research Focus

- **Primary Area:** AI in Image Processing Robotics, Computer Networks
- **Allied Areas:**
 - Machine Learning, Deep Learning.
 - Wireless Sensor Networks

Academic Qualifications

- **M.Tech:** Digital Communication and Networking, VTU, 2007.
- **B.E:** Computer science, Mysore University, 1997.

● Professional Experience

Experience			
S.No	Institute/College/Industry	Job Title	Duration (From- To)
1.	R V College of Engineering, Bangalore	Assistant Professor	Dec 2007 – Till Date

Publications & Patents

Journal Publications

1. Sunaina, **Rekha B S**, Retail Analysis And Inventory Management”, International Journal of Scientific Research in Engineering & Management, Volume 09, issue 02, ISSN: 2582-3930, DOI:10.55/IJSREM41644, February 2025.
2. **Rekha B S**, Supriya, Manasvini, “Exploring Unsupervised Learning Paradigms For Object Detection: A Survey”, UGC-Care Approved Group-2 Journal, ISSN: 0039-2049, Vol- 11, Issue- 08, ISSN: 0039-2049, Impact Factor 6.1, DOI:10.5281/Zenodo.13346391, August 2024.
3. Anusha Jain, **Rekha B S**, “A Review on leveraging machine learning for anomaly detection in cloud cost management”, International Journal of Scientific Research in Engineering and Management (IJSREM), ISSN: 2582-3930, , Volume: 08 Issue: 06 , DOI: 10.55041/IJSREM35775, June – 2024.
4. Manu S Rao, **Rekha B S**, “Progressive web apps in cross-platform development: A comparative analysis and evaluation”, International Journal of Scientific Research in Engineering and Management (IJSREM), ISSN: 2582-3930, Volume: 08 Issue: 06, 10.55041/IJSREM35595, June – 2024.
5. Spoorthi, **Rekha B S**, "[Development of Automatic Framework Using Azure," /High Technology Letters Journal, Volume-8, Issue-7, IF- 2.7, ISSN NO - 1006-6748, pp No: 1004- 1014/, July 2022.
6. Vivek Kekuda T U, Likitha, **Rekha B S**, Sushmitha N, “Peer to Peer Ridesharing using Blockchain”, International Journal of Engineering and Techniques, Volume 7, Issue 3, June 2021.
7. Siddagangu, Nadhiem Latief, **Rekha B S**, Smitha G R, Priya Bansal, “Breast Cancer Tumor Detection”, International Journal of Advance Research, Ideas and Innovations in Technology, Volume 7, Issue 3, June 2021.
8. Sujay S, Aditya Ashok Illur, Poornima Kulkarni, **Prof. Rekha B S**, “Driver Fatigue Detection using Deep Learning”, International Journal of Advance Research, Ideas and Innovations in Technology, Volume 7, Issue 4, 2021.
9. Siddagangu S, Sujay S, H R Irfan Pasha, **Prof. Rekha B S**, “ Fish detection and Species classification using Mask RCNN”, Journal of Emerging Technologies and Innovative Research (JETIR), Volume 8, Issue 5, May 2021.
10. B S Rekha, Athiya Mariam, GN Srinivasan, Supreetha A Shetty, “Literature survey on object detection using YOLO”, International Research Journal of Engineering and Technology (IRJET), issue 06, volume 07, 2020.
11. Sanketh Harnoorkar, **Rekha B S**, “A Study of Anomaly Detection Techniques”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Vol 8, Issue 6, pp 960-962, ISSN: 2321-9653, June 2020.
12. Eshwari H M, **Rekha B S**, Dr. G N Srinivasan, “Hybrid cloud technologies: Dockers, containers and Kubernetes”, International Research Journal of Engineering and Technology(IRJET), Vol 7, Issue 6, pp 7628-7634,p- ISSN: 2395-0072, June 2020.
13. Bhoomika P, Nagashreyas S P, **Prof. Rekha B S**, Prof. Geetha V, “A Study of Potent Cloud Automation Testing Tools with Selenium”, International Research Journal of Engineering and Technology (IRJET), Vol 7, Issue 5, pp 7108-7110, ISSN: 2395-0072, May 2020.
14. Bhoomika P, Nagashreyas S P, **Prof. Rekha B S**, Pro f. Geetha V, “A Study of Potent 5G Technologies with Mobile Edge 46Computing”, International Research Journal of Engineering and Technology (IRJET), Vol 7, Issue 5, pp 5394-5396, ISSN: 2395-0072, May 2020.
15. Nitish Kumar Garg, Munshi Mohammad Tawqeer, **Prof. Rekha B S**, Chethana R Murthy, “Business Intelligence Using Data Analytics”, International Research Journal of Engineering and Technology (IRJET), Vol 7, Issue 4, pp 1-5, ISSN: 2395-0072, April 2020.
16. Nitish Kumar Garg, Prof. Rekha B S, “Anomaly Detection and Its Methods”, International Research

- Journal of Engineering and Technology (IRJET), Vol 7, Issue 4, pp 1-7, ISSN: 2395-0072, April 2020.
17. Deepa Sajjanar, **Rekha B S**, Dr. G N Srinivasan, "Vehicle Detection and Classification using Neural Networks", CIIT International Journal of Automation and Autonomous System, Vol-10, Issue-5, DOI: AA052018005, May 2018.
 18. Komal S K, **Rekha B S**, Dr. G N Srinivasan, "Fish Detection and Classification using SOM", CIIT International Journal of Artificial Intelligent Systems and Machine Learning, Vol-10, Issue-5, DOI: AIML052018005, May 2018.
 19. Komal S K, **Rekha B S**, Dr. G N Srinivasan, Mr. Puneeth Chandrashekar, "Performance Evaluation of Support Vector Machines (SVM) and Convolution Neural Network (CNN) for Video Tampering Classification", Journal of Applied Science and Computations, Vol-5, Issue-6, June 2018.
 20. Deepa Sajjanar, **Rekha B S**, Dr. G N Srinivasan, "Lung Cancer Detection and Classification using Convolutional Neural Network", Journal of Applied Science and computations, Vol-5, Issue-6, June 2018.
 21. Amreen Kausar Gorvankolla, Mrs. Rekha B S, "Implementation of Boyer Moore Pattern Matching Algorithm in Document Analysis", Journal for Advanced Research in Applied Sciences, Vol-4, Issue-1, ISSN: 2394-8442, January-June 2017.
 22. Jayashree S, **Rekha B S**, "Overview of Virtual Prototyping Techniques for System Development and validation" Imperial Journal of Interdisciplinary Research, Vol-3, Issue - 4, ISSN: 2454-1362, July 2017.
 23. Shivagupta Chandakavathe, **Rekha B. S**, Sampath Kumar C, A paper titled "A Novel Approach on Multi Factor Authentication", Volume 5 Issue 5, ISSN (Online): 2319-7064, pp 1441-1443, May 2016.
 24. Ravella Vineesh, **Rekha B S**, "Intelligent Document Conversion", International Journal for Scientific Research & Development (IJSRD), Issue (Volume 2, Issue 3), ISSN[ONLINE] 23210613, May 2014.
 25. Navneet Singh Patel, **Rekha B S**, "Software as a Service SaaS: Security issues and Solutions", International Journal of Computational Engineering Research (IJCER), Issue (Volume 4 Issue 6). ISSN: 2250-3005, April 2015.
 26. Harsha C, Rekha B S, Dr. G N Srinivasan, "Tracking Vehicle in Aerial Surveillance Using DBN". **International Journal** of Computer Science Engineering and Information Technology Research (IJCSEITR), Vol. 3, Issue 3, ISSN 2249-6831, Aug 2013.
 27. Hariprasad Reddy, **Rekha B S**, "Effective Development of Android Applications using Android Services", International Journal of Computer Applications in Engineering Sciences, Vol. II, ISSUE II, [ISSN: 2231-4946] June 2012.

Conference Papers

1. Manaswini, **Rekha B S**, "A Survey of Cost - Efficient Technological Developments in the Field of Cardiovascular Diagnostics And Auscultation, International Conference on Mobile Computing and Sustainable Informatics (ICMCSI), Tribhuvan University, Nepal, 18th, 19th, January 2024.
2. Spoorthi K V, **Rekha B S**, "Diabetic Retinopathy Prediction using Deep learning", IEEE International Conference on Computation System and Information Technology for Sustainable Solutions, November 2021.
3. Pradeep Kumar D, **Rekha B S**, "CASD: Parser Implementation of auto analysis system for issue location and resolution in the storage arrays in data centers" at National Conference on "FRONTIERS OF COMPUTER SCIENCE FCS" held at DON BOSCO Institute of Technology by the department of Computer Science & Engineering, on May 19th-21, 2011
4. **Rekha B S**, "Development of Integrated System for the Computational Analysis of Biological Data Related to Rheumatoid Arthritis" at International Conference on "Convergence of science & Engineering in Education & Research a Global perspective in the new Millenium" ICSE 2010, held at Dayananda Sagar College of Engineering, on April 21-23 2010.

5. **Rekha B S**, Deepika C N, "Biometrics For Network Security" at Second National Conference On "Recent Trends in Information and Communication Technology- RTICT", 20th – 21st March 2009, organized by Department of Information Technology, Bannari Amman Institute of Technology, Sathyamangalam.
6. **Rekha B S**, Deepika C N, "Feature Extraction and Selection in Pattern Recognition" at National Conference on Information Sciences NCIS, at Manipal Centre for Information Science, Manipal University, pp. 459-470, 24th April 2009.
7. Pushpa R, **Rekha B S**, "MOST Protocol Implementation for Infotainment Devices", National Conference on "Emerging Broad Band Technologies" held at R.V. College of Engineering, pp. 61-66, on May 16th, 17th 2009.

Books/Book Chapters

1. Soujanya R, **Rekha B S**, Anusha M K, Sri Raksha B K, "Pharmaceutical Information Management Systems (Chapter – 2)", Innovations in Communication and Computing, Sustainable and Energy Efficient Computing and Paradigms for Society, EAI/Springer, ISBN 978-3-030-51070-1 (eBook), <https://doi.org/10.1007/978-3-030-51070-1>, Pg no 33-51, 2022.
2. **Rekha B S**, Dr. G N Srinivasan, Sravan K R, Divyanshu J, "Fish Detection And Classification Using Convolutional Neural Networks", Advances in Intelligent Systems and Computing Book, Chapter 128, Springer Publication, 2020.

Ongoing & Completed Consultancy Projects

- Zero Knowledge Proof – JP Morgan Chase Bank Ltd., Duration: [01 Year], Role: [].

Professional Memberships

- CSI – Life Time Membership

Student Supervision

- M.Tech/M.Sc. Students: 25
- Undergraduate Research Mentees: 35

Professional Role

- **Committee Member:** IEEE International on Computational Systems & Information Technology for Sustainable Solutions, 7th – 9th November 2024 – Website Committee in charge.

Teaching

Core Courses:

- CY245AT Computer Networks

- MSE324C3 Code Mobile Commerce and Applications

Responsibilities

- **Academic:** Alumni Coordinator, Website in-charge, Placement Coordinator, Time Table Officer, Test Time Table Officer, Examination Coordinator.