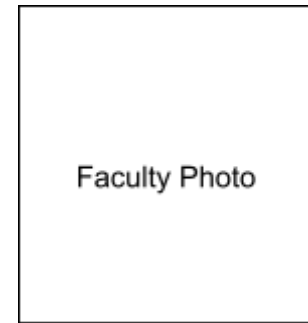


Faculty Profile

Brief Profile (Few Paragraphs)



Personal Information

- **Name:** Dr.Pratiba D
- **Designation:** Associate Professor
- **Department:** Computer Science and Engineering
- **Email:** pratibad@rvce.edu.in
- **Phone:**

Google Scholar: [Dr.Pratiba D - Google Scholar](#)

ResearchGate: <https://www.researchgate.net/profile/D-Pratiba>

LinkedIn: [Dr.Pratiba D - LinkedIn Profile](#)

ORCID: <https://orcid.org/0000-0001-9123-8687>

Domain of Expertise

Research Focus

- **Primary Area:** Big Data Analytics and Mining , AI in Education, Computer Vision
- **Allied Areas:**
 - Machine Learning
 - Deep Learning
 - Cloud Computing
 - Image Processing

Academic Qualifications

- **Ph.D.:** Faculty of Computer and Information Sciences, VTU, July 2019
- **M.Tech:** Advanced Computing, SASTRA University, Dec 2002
- **B.E:** Computer Science, Bharathiar University , April 2001

Professional Experience

Experience

S.No	Institute/College/Industry	Job Title	Duration (From- To)
1.	R V College of Engineering, Bangalore	Associate Professor	Dec 2024 to Till now
2.	R V College of Engineering, Bangalore	Asst. Professor	Jan 2009 to Dec 2024
3.	Wipro Technologies, Bangalore	Senior Software Engineer	Aug 2007 to Oct 2008
4.	Wipro technologies through Synova Innovative Technologies Pvt Ltd, Bangalore	Software Engineer	Nov 2006 to July 2007
5.	Dayananda Sagar College of Engg. Bangalore	Lecturer	Aug 2004 to Jan 2005
6.	Arasu Engineering College, Kumbakonam, Tamilnadu	Lecturer	Jan 2003 to May 2004

Publications & Patents

Total No. of papers published: 50

No of papers published in International Journals : 33

No of papers published in Conferences : 17

No of Book Chapters : 02

Journal Publications

1. Dr. Pratiba D, Dr Ramakanth Kumar P , R Vijay Chiranjith Reddy , "Software defined trends in Enterprise Networks" , **Indonesian Journal of Electrical Engineering and Computer Science** , Vol. 31,No 2, August 2023 pp: 957-967, ISSN: 2502-4752, **Indexing: Scopus (Q2 Journal)**.
2. Akanksh A Manjunath, S Nitin Pandit, Shreyas S, Pratiba D , "Automated Invoice Data Extraction using Image Processing", **IAES International Journal of Artificial Intelligence(Q2 Journal)**, Vol 12, No 2: June 2023 , **Indexing: Scopus**.
3. Varun Komperla, Pratiba Deenadhayalan, Poonam Ghuli, RamakanthKumar Pattar, " React: A detailed survey", **Indonesian Journal of Electrical Engineering and Computer Science** , Vol.26,No.3, June 2022, ISSN: 2502-4752, DOI: 10.11591/ijeecs.v26.i3.pp:1710-1717, **Indexing: Scopus (Q3 Journal)**.
4. Chaitanya M R, Pratiba D, "Surround View Camera System For ADAS", International Journal of Creative Research Thoughts (IJCRT), Volume 9, Issue 9, September 2021, ISSN: 2320-2882, pp:430-437.
5. Guru Rajesh Kaustubh,Pratiba D ,A Survey on Conflict and Dependency Analysis in the context of Software Development and Release Management, International Research Journal of Engineering and

Technology (IRJET), Volume: 07 Issue: 05 | May 2020,pp: 4274-4277, www.irjet.net, e-ISSN: 2395-0056, p-ISSN: 2395-0072

6. Kshitij Tiwari, Mallappa Bagi, Dr. Azra Nasreen, Dr. Pratiba D, Jyoti Shetty, "International Journal of Applied Engineering Research" , Volume 15, Number 6 (2020) pp. 546-549 © Research India Publications. <http://www.ripublication.com>, ISSN 0973-4562.
7. Shravan H S, Dr. Pratiba D, Dr. Ramakanth Kumar P, "Building 3d Model For Non-Invasive Analysis Of Phenotypic Characteristics Of Plants", Journal of Seybold Report, Volume 15 , Issue 8 2020, pp: 696-704, ISSN NO: 1533-9211.
8. Rohith Raj S, Pratiba D, Ramakanth Kumar P, "Facial Expression Recognition using Facial Landmarks: A novel approach" , Advances in Science, Technology and Engineering Systems Journal, Vol. 5, No. 5, pp:24-28 (2020), ISSN: 2415-6698. **Indexing: Scopus.**
9. Abhishek Awasthi, Dr.Pratiba D, "Cloud Long Term Load Forecasting for Scaling of Compute Resources", International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 15, Number 5 (2020) pp. 532-536 © Research India Publications.
10. Guru Rajesh Kaustubh, Pratiba D, "A survey on Conflict and Dependency Analysis in the context of Software Development and Release Management, International Journal of Engineering and Technology, ISSN: 2395-0056, Vol.7, Issue 5, pp:4274-4277, May 2020.
11. Rahul M Patil, N R Vinay, Pratiba D, Application-based Smart Parking System using CAN Bus, Indonesian Journal of Electrical Engineering and Computer Science, ISSN: 2502-4752, DOI: 10.11591/ijeecs.v12.i2.pp759-764, Vol. 12, No. 2, November 2018, pp. 759-764. **Indexing: Scopus(Q3 Journal).**
12. Raghav Rastogi, Shreyansh Nahata, Poonam Ghuli, Pratiba D, Dr. Shobha G, Anomaly Detection in Log Records, Indonesian Journal of Electrical Engineering and Computer Science Vol. 10, No. 1, 2017, pp. 343-347 ISSN: 2502-4752, DOI: 10.11591/ijeecs.v10.i1.pp343-347 .**Indexing: Scopus(Q3 Journal).**
13. Pratiba D, Dr.G.Shobha, LalithKumar H, Samrudh J", Distributed web crawlers using Hadoop", International Journal of Applied Engineering Research ISSN 0973-4562 Volume 12, Number 24 (2017) pp. 15187-15195 © Research India Publications. **Indexing: Scopus.**
14. Pratiba D, Samrudh J, Dadapeer, Srikanth J, "Elicitation of Student Learning Experiences from Twitter using Data Mining Techniques", International Journal of Computer Trends and Technology,(IJCTT), Vol.47, No.3, May 2017. Impact Factor: 2.75.
15. Pratik Mohapatra, Pratiba D, "A Novel Cloud Based Application: Resolve", International Journal of Advanced Research in Computer and Communication Engineering, Vol.6, Issue 2, February 2017, pp: 169-170, ISSN (Online) 2278-1021. Impact Factor: 5.947.
16. D.Pratiba, Dr.G.Shobha, "RSECM: Robust Search Engine using Context-based Mining for Educational Big Data", International Journal of Advanced Computer Science and Applications (IJACSA), Vol.7, No.12, 2016, pp: 39-50. **Indexing: Thomson Reuters**

17. D.Pratiba, Deepak, Shwetha, "Comparative Analysis of NOSQL Databases", Indonesian Journal of Electrical Engineering and Computer Science, Vol 3. No. 3, September 2016, pp: 601-606, DOI: 10.11591/ijeecs.v3.i2.pp601-606. **(Free Journal-Scopus Indexed) (Q3 Journal)**.
18. D.Pratiba, G.Shobha, Samrudh J, "Personalized web search using machine learning technique", International Journal of Advanced Research in Computer and Communication Engineering, Vol.5, Issue 4, April 2016, ISSN(Online): 2278-1021. Impact Factor: 5.947.
19. Pratiba D, Dr. Shobha G, Vishwas C N, "Big Data: Leveraging Hadoop platform to process Semi and Unstructured data", International Journal of Computer Technology and Applications, Vol 6, Issue 6, Nov-Dec2015, pp: 980-983, ISSN: 2229-6093, Impact Factor: 2.804.
20. D.Pratiba , G.Shobha , Sonali Tandon , Srushti S B , Vartika , "Cache based Side Channel Attack on AES in Cloud Computing Environment" published in International Journal of Computer Applications, Vol 119,-No.13, June 2015, pp.14-17, ISSN: 0975-8887, Impact Factor: 0.715.
21. Yogesh S. Kalambe , D. Pratiba , Dr. Pritam Shah , "Big Data Mining tools for Unstructured Data- A Review", International Journal of Innovative Technology and Research, Vol 3. Issue 2, Feb-March 2015, pp.2012-2017, ISSN: 2320-5547, GIF Impact Factor:1.3064.
22. Pratiba D, Dr. Shobha G, Arjun , "Authentication and Authorization in Cloud: Reviewing the trend" published in International Journal of Computer Science and Network, Volume 3, Issue 6, Dec2014, pp. 577-579,ISSN(Online):2277-5420,Impact Factor:0.274.
23. D.Pratiba, Dr. G. Shobha, "Data Mining in cloud storages" published in International Journal of Computing, Volume 4, Issue 3, July 2014, pp. 655-657, ISSN (Print): 2231:2153, ISSN (Online): 2230:9039.
24. D.Pratiba ,Dr .G.Shobha, Vishwas C N , Bhimasen V.Purohit , "A comparative study of Cloud Computing Models for Academic Environment" published in International Journal of Research in Computer and Communication Technology, Volume 3, Issue 4, April 2014,pp.563-567,ISSN:2278-5841.
25. D. Pratiba , G. Shobha "Educational BigData Mining Approach in Cloud: Reviewing the Trend" published in International Journal of Computer Applications, Volume 92, Issue 13, April 2014, pp.43-50, ISSN:0975-8887.
26. Vanishree K Prakruthi S N Pratiba D, "A study on Association rules and clustering methods" published in International Journal of Computer Science and Information technologies, Volume 5, Issue 1, Jan-Feb 2014, pp.233-235, ISSN:0975-9646,Impact Factor: 2.93.
27. D.Pratiba, Dr.G.Shobha, Nikhilesh V Sonar, Mushtaq Ahmed M, "A survey of private cloud platforms" published in International Journal of Advanced Research in Computer and Communication Engineering, Volume 3, Issue 1,January 2014, pp.5107-5110.
28. D.Pratiba , "Incorporating Human Behavioral Patterns in Big data Text Analytics" published in International Journal of Research in Computer and Communication Technology, Volume 2, Issue 10, October 2013, pp.976-978.

29. Vanishree.K , D.Pratiba “A Survey Multicast Inter-Domain Routing Protocol (GEO-ASSISTED) for MANETS” published in International Journal of Advanced Research in Computer Science and Software Engineering, Volume 3,Issue 7,July 2013.
30. D.Pratiba, Manjunath A.E, Dr.N.K.Srinath, Dr.G.Shobha, Dr.Siddaraja, “A road map on Security Deliverables for mobile clouds application” published in International Journal of Advanced Research in Computer and Communication Engineering, Volume 2,Issue 7,July 2013, pp.2625-2629.
31. D.Pratiba,, Dr.G.Shobha, “Semantic Web Search Engine” published in International Journal of Advanced Research in Computer Science and Software Engineering, Volume 3,Issue 6,June 2013,pp.974-979.
32. D.Pratiba, Dr.G.Shobha, “Privacy-Preserving public auditing for data storage security in cloud computing” published in International Journal of Computer Engineering and Technology, Volume 4,Issue 3,May-June 2013,pp.441-448.
33. D.Pratiba, “Diffie-Hellman based Steganography” published in International Research Journal of Computer Science Engineering and Applications , Vol .I Issue II , Nov 2012 Page. 94-98.

Conference Papers

1. Dr.Pratiba D, Dr.Ramakanth Kumar P , Gaurav Hegade, Hammish Raj Wadeyar, Manthan S Shetty, “Architecting Large-Scale Recommendation Systems with Apache Spark's Distributed Framework”, has been published in the 8th IEEE International Conference on Computational Systems and Information Technology for Sustainable Solutions CSITSS - 2024 organized by RV College of Engineering, Bengaluru in association with Florida International University, Miami, USA and technically co-sponsored by IEEE Bangalore Section, conducted during 7th to 9th November, 2024.

Indexing: Scopus

2. Dr.Pratiba D, Dr.Ramakanth Kumar P , Abhijit Madhusudan, Akshaja V Maiya, Dwarakacherla Navya, K V Karthik, “Analyzing Climate Trends and Predictive Modeling in Major Indian Cities - A Big Data Approach”, has been published in the 8th IEEE International Conference on Computational Systems and Information Technology for Sustainable Solutions CSITSS - 2024 organized by RV College of Engineering, Bengaluru in association with Florida International University, Miami, USA and technically co-sponsored by IEEE Bangalore Section, conducted during 7th to 9th November, 2024.

Indexing: Scopus

3. Shaswat Agarwal, Pratiba D, Ramakanth Kumar P, “Privacy Preserving Content Based Image Retrieval using Cloud Computing” 2024 IEEE International Conference on Contemporary Computing and Communications (InC4) , Christ University, Bangalore, March 15-16 2024. **Indexing: Scopus**

4. Nimisha Dey, Malavika Hariprasad, Neha N, Dr. Pratiba D, Dr Ramakanth Kumar P , “College Club activity management system” , has been published in the 7th IEEE International Conference on

Computational Systems and Information Technology for Sustainable Solutions CSITSS - 2023 organized by RV College of Engineering, Bengaluru in association with Florida International University, Miami, USA and technically co-sponsored by IEEE Bangalore Section, conducted during 2nd to 4th November, 2023. **Indexing: Scopus**

5. Sharon Thomas, Akanksha A Pai, Pratiba D, Dr Ramakanth Kumar P “NGO CONNECT : Technology for Non-Profit Organisation Management” , has been published in the 7th IEEE International Conference on Computational Systems and Information Technology for Sustainable Solutions CSITSS - 2023 organized by RV College of Engineering, Bengaluru in association with Florida International University, Miami, USA and technically co-sponsored by IEEE Bangalore Section, conducted during 2nd to 4th November, 2023. **Indexing: Scopus**
6. The paper titled "Efficient Management Of Organizational Data forming Explicit Knowledge in the Public Sector" has been presented and published in Nov 2022 IEEE North Karnataka Subsection(NKon), 978-1-6654-9790-9/22/\$31.00 ©2022 IEEE.
7. Nishchal Jagadeesha, Navya Priya N, Pratiba D, Ramakanth Kumar P, “Social Media Application for Specially Challenged”, Proceedings of the International Conference on Applied Artificial Intelligence and Computing ICAAIC 2022(IEEE), ISBN: 978-1-6654-9709-1, pp:1197-1201.
8. Sriraksha N , Dr. Pratiba D, “Logging in Kubernetes”, International Conference On Intelligent Computing in Information Technology for Engineering System (ICICITES-2021) June 25-26, 2021. **Indexing: Scopus CRC Press, Taylor & Francis Group.**
9. Pratiba D, Abhay M.S, Akhil Dua, Giridhar K Shanbhag, Neel Bhandari, Utkarsh Singh,” Web Scraping and Data Acquisition using Google Scholar”, 3rd IEEE International conference on Computational Systems and Information Technology for Sustainable Solutions, 20-22 Dec 2018, IEEE. , **Indexing: Scopus.**
10. Rahul Muppanagouda Patil , Ram Srinivas , Rohith Y , N R Vinay and Pratiba D,” IoT enabled Video Surveillance System using Raspberry Pi, 2nd IEEE International conference on Computational Systems and Information Technology for Sustainable Solutions 2017, pp. 308-314, 978-1-5386-2044-1/17/\$31.00 ©2017. **Indexing: Scopus.**
11. Raghav Rastogi, Akash S, Shobha G, Poonam G, Pratiba D, Ankit Singh, “Design and Development of generic web based framework for log analysis”, Region 10 Conference (TENCON 2016-22-25Nov2016),IEEE, February 2017, pp: 232-236, DOI: 10.1109/TENCON.2016.7847996. **Indexing: Scopus.**
12. D.Pratiba, Dr.G.Shobha and Vijaya Lakshmi.P.S, “Efficient data retrieval from cloud storage using data mining technique” published in IJCI - International Conference on Advances in Communication Networking and Computing – CNC 2015 at Chennai on Mar 29, 2015, pp.261-269.
13. D.Pratiba, Dr.G.Shobha, “A survey of Resource Sharing Cloud using Data Mining” published in IEEE Explore - Fifth International Conference on Signals and Image processing at BNMIT , Bangalore from Jan 8-10 2014, Page.323-327,978-0-7695-5100-5/13, DOI 10.1109/ICSIP.2014.57.

14. Manjunath A E, D.Pratiba, Dr.G.Shobha Dr.Siddaraju, "Prefetching using Correlating Prediction tables for Buffer Recomputation" published in Elsevier - Third International Conference on Computational Intelligence and Information Technology – CIIT 2013 at Mumbai from Oct 17-18, 2013 , pp.81-84.
15. Vanishree.K , D.Pratiba , "Co-operative Localization for Wireless Sensor Networks using Mobile Element" at National Conference on Information Processing(NCIP-2013) on 15-5-2013 at AMC College of Engineering, Bangalore, pp-86-89.
16. Sanjeev Rao S , D.Pratiba, "Adapting Object Oriented Modelling Framework Elements for Reverse Engineering of Unstructured and Non-OOP languages" at VerTechX 4.0 on 25-4-2013 at MVJ College of Engineering.
17. D.Pratiba, Ms. Asha .R.N, "Privacy protection of sensitive data with an efficient masking technique" at International Conference on "Cloud Computing and Service Engineering" [CLUSE-2012] at RRCE, Bangalore on April 11-13 2012, Page.303-308.

Books/Book Chapters

1. D. Pratiba and G. Shobha, IDLS: Framework for Interactive Digital Learning System with Efficient Component Modelling , © Springer India 2015 N.R. Shetty et al. (eds.), Emerging Research in Computing, Information, Communication and Applications, DOI 10.1007/978-81-322-2553-9_37, pp. 397-409, NMIT, Bangalore, July 31-Aug1.
2. D. Pratiba and G. Shobha, A paper on "S-DILS: Framework for secured Digital Interaction Learning System" published in Springer series -Advances in Intelligent Systems and Computing 349, © Springer International Publishing Switzerland 2015, Proceedings of the 4th Computer Science On-line conference 2015(CSOC2015), Vol3 : Software Engineering in Intelligent Systems DOI:10.1007/978-3-319-18473-9_18, pp.175-187.

R & Grants & Consultancy Projects

MSME IDEA HACKAKTHON 4.0(Nov 2024):

Guided the students to submit the following two Project proposals under the theme

Frontier Technology :

- ☐ HR Chatbot to streamline interviews and financial transactions
- ☐ Integrated big data platform that combines molecular analysis, predictive modeling, and risk assessment for managing Dengue virus.

Ongoing & Completed Research Projects

- Working on the **ELITE Samsung Prism Research project** titled "Design and Develop a representation for NeRF which takes less time for training and rendering, also works on large indoor scenes". The duration of the project is from Sep 2023 to September 2024.

- Worked on the project titled “Log Analysis for bug detection” for CISCO Systems Pvt India Ltd.
- Worked on the project titled “Development of Generic Log Analyzer” for Citrix R&D India Pvt. Ltd.

Ongoing & Completed Consultancy Projects

- Working on the **Samsung Prism Research project** titled “GenAI | Cinemagraph – Hair Blowing in the Wind”. The duration of the project is from September 2024 to till date.
- Worked on the **Samsung Prism Research project** titled “Nerf based Selfie application”.
- Worked on the Samsung Prism project titled “Real-Time Lip-Sync Animation” and the Samsung mentors had given good feedback. **Received the Certificate of Excellence for providing the guidance to students during the period Jan 2023 to Feb 2024.** The work-let team qualified as Excellence will get rewards from the Samsung.
- Worked on the Research project titled “Container based services and Serverless applications with Service mesh” for the company Epsilon Technologies during the period April 2023 to Oct 2023.
- Written the Society of Indian Defence Manufacturers (SIDM) - **ARMY project proposal**: Dr. Pratiba D, Dr. Ramakanth Kumar P, “AI based Automation Framework for handling Email/Grievances of Indian Army” in the month of May 2023.
- **Worked on the Research Project titled “Search Optimizations with NoSQL databases and Perform benchmarking of different searches, filtering queries, aggregate functions between the Lucene based extensions/customization vs Apache Phoenix/Solr on HBASE” for the company Epsilon Technologies during the period Jan 2022 to June 2022.**
- Completed the Consultancy Project titled "Text Recognition and Segmentation of fields of interest in scanned document", System Consultant Information India Pvt Ltd (SCII) during the period October 2020 to Dec 2021.
- Completed the Consultancy project titled “Distributed File Systems and Distributed SQL Queries for CF files”, Surya Software Systems during the period October 2020 to March 2021.
- Implemented the project titled “End-to-end face landmark with MDM on ARMNN GPU” for **SAMSUNG PRISM** program. Received the **Certificate of Excellence** for providing the guidance to students during the period Mar 2019 to Feb 2020.
- Present the proposal to Nihon Communication Solutions Pvt. Ltd for the project titled “Secure data storage services in Cloud Computing” during the month of Feb 2016.
- Proposed two projects titled “Security Issues in Fog Computing” and “Analytics in Fog Computing” to CISCO team in February 2015.
- Worked on the proposal for Center of Excellence for Computing Enabled Health Studies (as Co principal Investigator) to VGST in Aug 2014 .

- Worked on the Proposal for Minor Research project titled “Development of Resource Sharing Consortium for offering and sharing electronic materials based on Cloud Computing environment” (as Principal Investigator) to UGC in Dec 2013 under the supervision of Dr.Shobha.

Professional Memberships

- Membership Body : IEEE, ISTE

Awards & Recognitions

- Received the Certificate of Excellence for providing the guidance to students for the project titled “Real-Time Lip-Sync Animation” during the period Sep 2023 to Sep 2024.
- Received the Certificate of Excellence for providing the guidance to students for the project titled “End-to-end face landmark with MDM on ARMNN GPU” for SAMSUNG PRISM” during the period Jan 2023 to Feb 2024
- Received the award for the technical papers published in Scopus Indexed Journals for the academic period 2016–2017 on 26th January 2018 during Annual Get-together of the Trust at R V Teachers College, Bengaluru.
- Recognition as Research Supervisor to supervise scholars pursuing Research Programmes (Ph.D./M.S.(Research)/ Integrated Ph.D.) of VTU.

Student Supervision

- M.Tech : 20
- Undergraduate Research Mentees: 85

Professional Roles

- Editorial Board: Nil
- Chair/Committee Member: Nil
- Industry Advisor: Nil

Teaching

Core Courses: [Current semester]

- [CS222IA] [Principles of Programming using C]
- [CS125AIB] [Introduction to Web Programming]

Advanced/Lab Courses:

- [Database Management System]
- [Web Programming]

Professional Roles

Responsibilities

- **Academic:** [CIE Coordinator, PTM Coordinator, Skill Lab Coordinator (Full Stack Development, Web Essentials), SDG 9 Coordinator(Odd Semester 2025)]
- **Administrative:** [Lab In-charge(Web Programming)]

External Connect

- Nil