

Agashini V Kumar

Personal Information

- **Name:** Mrs. Agashini V Kumar
- **Designation:** Assistant Professor
- **Department:** Computer Science and Engineering
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Google Scholar: <https://scholar.google.com/citations?hl=en&user=TRNBq1wAAAAJ>

ResearchGate: https://www.researchgate.net/profile/Agashini-V-Kumar?ev=hdr_xprf

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Domain of Expertise

- Data Science
- Multimodal Analysis
- Computational cognitive science
- Psychoinformatics
- Computational Psychometrics

Research Focus

- **Primary Area:** Data Science and Multimodal Analytics
- **Allied Areas:**
 - Computational cognitive science
 - Psychoinformatics
 - Computational Psychometrics

Academic Qualifications

- **Ph.D.:** Currently pursuing [Amrita Vishwa Vidyapeetham][from 2023]

- **M.Tech.:** Data Science, [Amrita Vishwa Vidyapeetham], [2023]
- **B.E. :** [Computer Science and Engineering], [UBDTCE, VTU], [2020]

Professional Experience

Experience			
S.No	Institute/College/Industry	Job Title	Duration (From- To)
1.	RV Institute of Technology and Management	Assistant Professor	Jun 2026 – Till Date
2.	Jain Deemed-to-be-University	Assistant Professor	Apr 2024 – May 2026
3.	ABB Globals	Data Science Intern	Aug 2022 – June 2023

Publications & Patents

Journal Publications

1. S, G., B, N. & V Kumar, A. Explainable AI with Hybrid Deep Learning Model for Brain Tumor Classification. *Sens Imaging* 27, 108 (2026). <https://doi.org/10.1007/s11220-026-00803-w> Q2 paper
2. Suresh D, Agashini V Kumar, Saurabh Rai, Ritik Raj, Rohit Raj, "Anomaly Detection in CCTV Videos Using LSTM Architecture," *International Journal of Scientific Research in Engineering and Management*, vol. 9, no. 5, May 2025. <https://doi.org/10.55041/IJSREM47512>
3. Kumar, A. V., Pavan, Y., Gowda, A., & Sharma, P. (2025). Adding recipes website using Django. *International Scientific Journal of Engineering and Management*, 4(4), 1–7. <https://doi.org/10.55041/isjem03013>
4. Chaudhary, S., Shah, R. K., Kumar, H., & Kumar, A. V. (2025). Blood bank management system: Efficient donor and inventory tracking through a desktop application. *International Journal of Scientific Research in Engineering and Management*, 9(4), 1–9. doi.org
5. Sinha, A. Q., Kumar, A. V., Saha, R., Roy, A., & Kadel, K. J. (2025). Women security application using smart emergency response system and real-time location tracking. *International Scientific Journal of Engineering and Management*, 4(4), 1–7.

Conference Papers

1. A. V. Kumar, D. Gupta and M. Venugopalan, "Cyberbullying Text Classification for Social Media

Data Using Embedding And Deep Learning Approaches," 2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT), Delhi, India, 2023, pp. 1-6, doi: 10.1109/ICCCNT56998.2023.10307330

2. Agashini V. Kumar, Atharwa Wagh, Abdulqahar Mukhtar Abubakar, J. Amudha, K. R. Chandrika, "Assessing Reading Patterns of Learners Through Eye Tracking," 16th International Conference on Multi-disciplinary Trends in Artificial Intelligence, MIWAI 2023, Lecture Notes in Computer Science, Springer Nature Switzerland, 2023, https://doi.org/10.1007/978-3-031-36402-0_71
3. A. V. Kumar and K. N. Meera, "Sentiment Analysis Using K Means Clustering on Microblogging Data Focused on Only the Important Sentiments," 2022 10th International Conference on Emerging Trends in Engineering and Technology - Signal and Information Processing (ICETET-SIP-22), Nagpur, India, 2022, pp. 1-5, doi: 10.1109/ICETET-SIP-2254415.2022.9791723.

Books/Book Chapters

1. Kumar, A. V., Wagh, A., Abubakar, A. M., & Chandrika, K. R. (2023). Assessing Reading Patterns of Learners Through Eye Tracking. In Lecture Notes in Computer Science (Vol. 13996, pp. 853–864). Springer, Cham. doi.org

Student Supervision

- Undergraduate Research Mentees: 30

Teaching

Core Courses:

- Big Data Analytics
- Cloud Computing
- Python Programming
- Data Structures using C
- Software Engineering
- Operating Systems

Responsibilities

- Academic: Assistant Professor