



Mrs. J. Gayathri

Assistant Professor – Computer Science

📍 Coimbatore, Tamil Nadu, India

✉️ j.gayathri@psgrkcw.ac.in | kavimsc07@gmail.com

🌐 IRINS Profile: <https://psgrkcw.irins.org/profile/267494>



PROFESSIONAL SUMMARY

An experienced Computer Science academician with 10+ years of teaching experience and 10+ years of research exposure, currently pursuing a Ph.D. in Computer Science. Specialized in Data Mining, Web Data Analytics, Semantic Web, and Information Security, with strong contributions in teaching, research publications, accreditation activities, and academic administration.

AREA OF SPECIALIZATION

- Data Mining
- Web Data Mining
- Semantic Web
- Database Systems
- Cryptography & Network Security

EDUCATIONAL QUALIFICATIONS

- Ph.D. (Pursuing) – Computer Science
Bharathiar University, Coimbatore
 - M.Phil – Computer Science (2012–2014)
Government Arts and Science College, Bharathiar University
 - M.Sc – Computer Science (2009–2011)
PSG College of Arts & Science, Coimbatore (Autonomous)
 - B.Sc – Computer Science (2006–2009)
KG College of Arts & Science, Bharathiar University
 - SET / SLET Qualified
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PROFESSIONAL EXPERIENCE

Assistant Professor – Computer Science (2022 – till)
PSGR Krishnammal College for Women, Coimbatore

Assistant Professor – Computer Science (2011 – 2022)
KG College of Arts and Science, Coimbatore

- Teaching Experience: 10+ Years
 - Delivered undergraduate and postgraduate courses
 - Guided student projects and academic activities
 - Actively involved in accreditation, ranking, and institutional development processes
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SUBJECTS HANDLED

- C, C++, Java
 - RDBMS
 - Cryptography & Network Security
 - System Software & Software Engineering
 - Graphics & Multimedia
 - DFA
 - DevOps
 - Full Stack
 - Python
 - Data Mining
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RESEARCH & THESIS

Doctoral Research Title:
An Efficient Techniques for Mining Frequent Patterns from online transactional data streams.

M.Phil Research Title:
An Enhanced Web Data Learning Method for Integrating Item, Tag, and Value for Mining Web Contents

PUBLICATIONS

Journal Articles

- Gayathri J., Saraswathi K., Extraction of Data from Streaming Databases, International Journal of Computer Trends and Technologies, ISSN: 2231-2803, Vol. 4, Issue 9, October 2013.
- Gayathri J., Understanding User Privacy in Internet of Things Environment, International Journal of Innovative Computer Science and Engineering, Vol. 4, Issue 4, May 2017.
- Gayathri J., Dependable Semantic Web, International Journal for Scientific Research and Development, ISSN: 2395-1052, March 2018.
- Gayathri J., An Analysis of Frequent Pattern Mining Techniques at Multiple Time Granularities, Indian Journal of Natural Sciences, ISSN: 0976-0997, Vol. 12, Issue 68, October 2021.
- Gayathri J., Mining Frequent Patterns with Varying Size Window at Multiple Time Granularities Using SWP Tree, Design Engineering, ISSN: 0011-9342, Vol. 2021, Issue 9, December 2021.
- Gayathri J., Linear Prefix Tree and Laplace Accuracy Based Frequent Pattern Mining Technique, Journal of Data Acquisition and Processing, ISSN: 1004-9037, Vol. 37, Issue 5, December 2022.
- Gayathri J., *A Modified Squirrel Search Algorithm for Successive Transaction Based Frequent Pattern Mining from Streaming Data*, International Journal of Advanced Science and Engineering, E-ISSN: 2349-5359; P-ISSN: 2454-9967, Vol. 12, No. 1, Pages 5083-5100, September 2025.

Books & Chapters

- Books Published as Co-Author: 3

UGC Publications

- UGC-Recognized Journals: 2

ACADEMIC ADMINISTRATIVE RESPONSIBILITIES

- Nodal Officer – NIRF (2017 – 2019)
 - Committee Member – NAAC (2008 – Till Date)
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PROFESSIONAL & ACADEMIC ENGAGEMENT

- Resource Person – Workshops / FDPs
 - Participation in Seminars & Conferences
 - Member – Academic & Institutional Committees
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ACHIEVEMENTS

- 2nd Prize – District Level Science Exhibition
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EXTRA-CURRICULAR & SOCIAL SERVICE

- Sports: Throwball, Volleyball
 - Active Member – Youth Helping Hands (YHH)
 - Department-level Event Organizer
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PERSONAL DETAILS

- Date of Birth: 10 August 1987
 - Gender: Female
 - Nationality: Indian
 - Marital Status: Married
 - Languages Known: Tamil (Mother Tongue), English
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