

RESUME



Geetha Rathinam

Associate Professor
KSR College of Engineering
Tiruchengode.

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Permanent Address

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Kumaramangalam (PO)
Tiruchengode-637 205.
Namakkal District,
Tamil Nadu
India

Fields of Research Interest

Data Mining

Sequential Pattern Mining, Spatio-temporal database, Spatio-Temporal data mining,
Event R-Tree, Sampling

Educational Degrees

PhD Department of Computer Science, Anna University, Chennai, May 2017.

Thesis: An effective sampling based Spatio-temporal sequential pattern mining using Event-R-Tree Miner

MPhil Department of Computer Science, Manonmaniam Sundaranar University, Tirunelveli, 2003, 66%.

MCA Master of Computer Applications, Sree Amman Arts and Science College, Bharathiar University, Coimbatore, 1999, 72 %.

B.E.S Bachelor of Electronic Science, Sengunthar Arts and Science College, Madras University, Chennai, 1995, 64%

Higher Secondary Government Girls Higher Secondary School, Tiruchengode, 1992, 72 %.

Secondary Government Higher Secondary School, Ulagappampalayam, 1990, 74 %.

Current Position

Associate Professor Department of Computer Applications, KSR College of Engineering, Tiruchengode, Namakkal, Tamil nadu (January 2023 – Till date).

Professional Experience

Lecturer Department of Computer Technology, K.S.Rangasamy College Of Technology, Tiruchengode, Namakkal, Tamil nadu 637215 (June 1999 – June 2008)

Senior Lecturer Department of Computer Technology, K.S.Rangasamy College Of Technology, Tiruchengode, Namakkal, Tamil nadu 637215 (July 2008 – June 2009)

Assistant Professor Department of Computer Applications, K.S.Rangasamy College Of Technology, Tiruchengode, Namakkal, Tamil nadu 637215 (July 2009 – June 2014)

Associate Professor Department of Computer Applications, K.S.Rangasamy College Of Technology, Tiruchengode, Namakkal, Tamil nadu 637215 (July 2014 – May 2016).

Assistant Professor Department of Computer Science, Siri PSG Arts and Science College for Women, Sankari, Salem, Tamil nadu 637 301 (June 2019 – Nov 2021)

MemberShip (Life membership)

1. Indian Society for Technical Education, New Delhi.

Project and Research Experience

Project guided to MCA Students in Anna University of Technology, Coimbatore.

Details of Examinership

1. Examiner/Chief Examiner in M.C.A . Valuation & External Examiner for Practicals, 2002 onwards, Periyar University, Salem.
2. Examiner/Chief Examiner in M.C.A., Valuation, & External Examiner for Practicals, 2005 onwards, Anna University.
3. Examiner/Chief Examiner in M.C.A., Valuation, & External Examiner for Practicals, 2008 onwards, Sona College of Technology, Salem.

Details of Subjects Handled

Computer Programming, System Analysis and Design, Object Oriented Programming & C++, Operating Systems, Computer Architecture, Internet Programming, System Software, Computer Networks, E-commerce, Client-Server Computing and Visual C++, Digital Principles, Database Management Systems, Visual Programming, Software Engineering, Programming in C, Computer Graphics and Multimedia Systems, Digital Fundamentals and Computer Organization, Mobile

Communications, Data Warehousing and Data Mining, Middleware Technologies, Data Warehousing and Data Mining, Data communication and Computer Networks and Data Base Management System.

Worked as a Various Roles

1. Class Advisor
2. Lab Incharge
3. Parents & Students Feedback Incharge
4. ISO Coordinator
5. Career Competency Development Coordinator
6. IQAC Coordinator
7. IIC Coordinator

Worked as a Various Disciplines

1. Open House Exhibition – Invitation Committee, Lunch & Refreshment Committee
2. Annual Day Function
3. Sports Day Function
4. Convocation Function
5. Founders Day Function
6. Alumni & Farewell Day Function
7. Physical Stock Verification for Libraries / Hostels

List of Publications

International Journals

1. Geetha, R & Sathiyabama, S 2013, 'Event R-Tree Miner: an Efficient Approach to Mine Sequential Patterns from Spatio-Temporal Event Dataset', International Review on Computers and Software, ISSN 2079-2557, vol. 2, no. 4, pp. 1033-1037 (Annexure-II).
2. Geetha, R & Sathiyabama, S 2015, 'Progressive Event R-Tree Miner: A Sampling-Based Approach to Mine Sequential Patterns from Spatio-Temporal Event Dataset', International Journal of Applied Engineering Research, ISSN 0973-4562, vol. 10, no. 1, pp. 899-924, 2015 (Annexure-II).

National Journal

1. Geetha, R & Sathiyabama, S 2009, 'A Survey of Spatial, Temporal and Spatio-Temporal Data Mining', Journal of Computer Applications, ISSN-0974 1925, Vol. 2, Issue no 1, Page No: 31 – 33.

List of Conference Papers

1. Geetha, R & Sathiyabama, S 2008, 'A Survey of Spatial , Temporal and Spatio-Temporal Data Mining', Second National Conference on "New Frontiers in computing" SNCONFIC-08, organized by the Department of MCA, K. S. Rangasamy College of Technology, Tiruchengode.
2. Geetha, R & Sathiyabama, S 2009, 'A Comprehensive Study and the Application of Spatio-Temporal Data Mining' Third National Conference on "New Frontiers in Computing" TNCONFIC-09, organized by the Department of MCA, K. S. Rangasamy College of Technology, Tiruchengode.
3. Geetha, R & Sathiyabama, S 2010, 'Concepts, Principles and Applications of Spatial Data Mining and GIS National conference on Advanced Technologies- NCAT 10, organized by the Department of Computer Science & Engineering, Selvam College of Technology, Namakkal.
4. Geetha, R & Sathiyabama, S 2010, 'A Model for Constructing a Social Network from Spatio-Temporal Events, Fourth National Conference on New Frontiers in Computing" FNCONFIC-10, organized by the Department of MCA, K. S. Rangasamy College of Technology, Tiruchengode.

Conference Attended

1. " The Gateway to Navigating the News through Online between varies Users", Second National Conference on "ICRDET-2015" organized by the Department of Computer Science and Electronics, Dr. Paul's Engineering College, Villupuram on 20th March 2015.
2. "Towards Privacy Preserving access control in the Cloud", Second National Conference on "Recent Advances in Science, Engineering and Technologies – "RASET 2015" organized by the Department of Electrical and Electronics Engineering, Jay Shriram Group of Institutions, Tirupur on 23rd March 2015.
3. "Detecting Untrusted process and Random Port execution in user space", National Conference on Recent Trends & Advances in information and Communication System organized by the Department of Electronics & communication Engineering, Sri Venkateswara college of Engineering, Sriperumbudur on 28th March 2015.
4. "Cloud based Mobile Multimedia Recommendation", National Conference on Recent Trends in communication, Control signal & image processing Applications – RTCCSIPA'15 organized by the Department of Electronics & communication Engineering, Mahendra College of Engineering, Salem on 7th April 2015.
5. "An Efficient and Robust Addressing Protocol for node Auto- configuration in Ad-hoc Networks", National Conference on Recent Trends in communication, Control signal & image processing Applications – RTCCSIPA'15 organized by the Department of Electronics & communication Engineering, Mahendra College of Engineering, Salem on 7th April 2015.
6. "A Model Driven Methodology for developing Secure-data management Applications", Third National Conference on Innovations in Modern Advances and Trends in Computer Applications organized by the Department of Computer Applications, Erode Sengunthar Engineering College, Erode on 17th April 2015.

Workshop Attended

1. National Workshop on “Teaching Technology & Counseling Skill”, Abirami Academy, Chennai at K. S. Rangasamy College of Technology, Tiruchengode on 28th and 29th June 2002.
2. National Workshop on “Circuit Simulation Using Multisim Software”, organized by the Department of ECE at K. S. Rangasamy College of Technology on 8th December 2007.
3. One Day National Workshop on “Emerging Issues in Information Security”, Department of Mathematics & Computer Applications, National Institute of Technology, Tiruchirapalli on 12th April 2008.
4. One Day National Workshop on “Data Mining using Memetic Algorithms”, organized by the Department of Computer Science, Periyar University, Salem on 8th November 2008.
5. Workshop on “Communicative English”, Col’s Caliber Academy, Coimbatore, at K. S. Rangasamy College of Technology from 06th October 2008 to 27th November 2008.
6. National Level workshop on “Research in Computer Science – Issues and Challenges”, organized by the Department of MCA at K. S. Rangasamy College of Technology on 17th April 2010.
7. National Level workshop on “Research issues in Data Mining”, organized by the Department of MCA at K. S. Rangasamy College of Technology on 5th and 6th August 2011.
8. One Day Program on “Research Methodologies”, ISTE staff chapter at K. S. Rangasamy College of Technology, Tiruchengode on 4th April 2009.
9. Two days National Workshop on “Open Source Tools for Data Mining”, organized by the Department of Computer Science and Engineering, Kongu Engineering College, Perundurai on 7th & 8th January 2011.
10. One Day workshop on “Writing Research Papers, Plagiarism and Citation Analysis”, organized by the Department of Library and Information Science & Society for the Advancement of Library and Information Science, Erode Chapter at K. S. Rangasamy College of Technology, Tiruchengode on 26th June 2015.
11. One Day workshop on “Pedagogy for Effective use of ICT in Engineering Education”, Conducted by IIT, Bombay from 5th -31st January 2015.

Seminar Attended

1. Two days seminar on “Research Methodologies”, organized by the Centre for Academic Excellence, Anna University, Tiruchirapalli on 17th & 18th May 2008.
2. Three days seminar on “Data Mining for Biomedical Databases”, organized by the Department of Computer Applications, Kongu Engineering College, Perundurai on 27th to 29th January 2009.
3. National Level seminar on “Wireless Sensor Networks for the Surveillance of Nuclear Radiation”, organized by the Department of MCA at K. S. Rangasamy College of Technology on 5th October 2013.
4. Six days National Webinar Series on “Positive Psychology” organized by the Redpond Educational and Psychological Research Centre, Madurai on 22nd to 27th June 2020.

Personal

Date of birth: July 30, 1975

Place of birth: Tiruchengode, Tamil nadu, India

Husband: Sukumar

Son & Daughter: Caarnik, Kaarnika