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1. Personal Details

Date of Birth & Age	: 08-06-1966 & 56 years
Gender & Marital Status	: Male, Married
Community	: Hindu
Nationality	: Indian
Place of Birth	: Madurai

2. Educational Qualifications

2.1. Academic

Degree/ Examination	Name of the Exam	University/ Institute	Year of Passing	Percentage/ Grade	Main Subject
Under Graduate	BSc	Madurai kamaraj university	1986	First class	Mathematics
Post Graduate	MSc	Indian Institute of Technology, Chennai	1988	CGPA 7.77/10	Mathematics

2.2. Research

Degree	Name of the University	Title of the Thesis	Date of Submission	Date of Award
PhD	Madurai Kamaraj University	Complexity analysis for efficient association rule mining algorithms	13/9/2010	7/10/2011
MPhil	Manonmanium sundaranar University	Analysis of Apriori algorithm and innovative methods to improve its efficiency	25/8/2003	30/8/2003

3. Professional Experience

No	Name of the University / Institution	Position Held	From (Date)	To (Date)
1	Madurai kamaraj university	Programmer(Lecturer's scale)	20-09-1993	19-09-1999
2	Madurai kamaraj university	Lecturer(Senior scale)	20-09-1999	19-09-2004
3	Madurai kamaraj university	Lecturer(Selection grade)	20-09-2004	19-09-2007
4	Madurai kamaraj university	Associate Professor	20-09-2007	Till date

4. Teaching

No	Year	Semester	Course Code	Course Title	Hours per Week
1	2022-23	I			
2	2022-23	III		Theory: (1) Open source technologies and (2) Big data analytics. Lab: (3)Open source technologies	3 3 6

5. Design/Development of New Curricula and Courses

No	Description	Organization for which it was Developed	Level(PG/UG)
1	Designed and developed courses for MCA(CBCS).	Department of computer applications, Madurai Kamaraj university.	PG

6. Creation of ICT Mediated Teaching-Learning Pedagogy
6.1. E-Contents

No	Description	Organization for which it was Developed	Level(PG/UG)
1	Mathematical foundations of computer Applications	Department of Computer Applications, Madurai kamaraj university.	PG
2	Software Engineering	Department of Computer Applications, Madurai kamaraj university.	PG
3	Computer Graphics	Department of Computer Applications, Madurai kamaraj university.	PG
4	C# and .NET	Department of Computer Applications, Madurai kamaraj university.	PG
5	Machine learning	Department of Computer Applications, Madurai kamaraj university.	PG
6	Open source technologies	Department of Computer Applications, Madurai kamaraj university.	PG
7	Big data analytics	Department of Computer Applications, Madurai kamaraj university.	PG
8	Operating systems	Department of Computer Applications, Madurai kamaraj university.	PG

7. Research Specialization / Field of Research
  - Design and Analysis of Algorithms
  - Machine learning and Data mining
  - Deep learning
  - Natural Language Processing
  - Fuzzy logic
  - Software Engineering

8. Research Publications

Type	International	National
Papers Published in UGC-CARE Listed Journals	4	-
Papers in Refereed Journals (Not mentioned above)	3	-
Books Published	-	-
Books Edited	-	-
Contributions to Book Chapters	-	-
Editor of Conference/Seminar Proceedings	-	-
Papers Published in Conference/Seminar Proceedings	5	-
Papers Presented in Conferences/Seminars	7	-
Conference/Seminar/Workshop Attended	7	-
Deposits in CCDC, PDB, etc.	-	

9. Citation Metrics

Cumulative Impact Factor (Recent Annual JCR)	-
Total Citations (Scopus/Web of Science)	2
h-Index (Scopus/Web of Science)	-
g-Index (Scopus/Web of Science)	-
i10 Index (Scopus/Web of Science)	-

10. Research Guidance/Supervision

Degree / Programme	Completed	Submitted	Ongoing
PhD (Full-time)	-	-	-
PhD (Part-time)	-	-	Four
MPhil Research Project (Full-time)	Eight	-	-
MPhil Research Project (Part-time)	-	-	-
MSc Projects/Dissertation	Sixty four	-	-
MSc Internships/Summer or Winter Projects		-	-

11. Invited Lectures / Resource Person

No	Institute / Organizer	Name of the Conference / Seminar / Workshop	International / National / State / Institute Level	Date(s)
1	Department of Computer science, Kristu jayanthi college (Autonomous), Bengaluru.	Webinar on 'Basics of python programming and data visualization'.	Institute level	17th November 2021

12. Professional Development Programs / Faculty Development Programs Attended

Name of the Program	Place	Date(s)	Sponsor
Two days workshop on Preparation of self-instructional materials.	DDE, Madurai kamaraj university	7th and 8th Dec 2009	DDE, Madurai kamaraj university
Workshop on SIM materials and online lessons.	DDE, Madurai kamaraj university.	21st and 22nd Dec. 2010	DDE, Madurai kamaraj university,
Two weeks International workshop/summer course on advanced data structures & algorithm.	Thapar university, Patiala,Punjab.	4 to 15 June 2012.	IEEE student chapter, Thapar university, Patiala,Punjab.
DST sponsored ten days training program on big data analytics.	VIT Vellore	20th to 29th Jun., 2016	School of Computer Science and Engineering, VIT Vellore
Workshop on "Global Ranking of universities:Present scenario",	IQAC, Madurai kamaraj University.	March 22, 2019.	IQAC, Madurai kamaraj University.
e-workshop on "Mathematical and statistical methods for machine learning".	NIT, Hamirpur, (HP).	Nov. 7th to 11th 2020	Department of mathematics and scientific computing, NIT, Hamirpur, (HP)
Online short term training programme on "Recent emerging trends in wireless communication using IOT".	Vidya jyothi Institute of Technology(Autonomous) in association with AICTE.	7-12-2020 to 12-12-2020.	Department of Electronics and communication engineering and Vidya jyothi Institute of Technology(Autonomous) in association with AICTE.
Online faculty development program on "Internet of things and its applications",	NIT Warangal.	21-12-2020 to 25-12-2020.	Centre for continuing education, NIT Warangal, in association with School of computer science and Engineering, Reva university, Bengaluru
Online STTP on "Moodle learning management system",	NIT Warangal.	4-1-2021 to 8-1-2021.	Department of Mechanical engineering and Department of computer science and engineering

Online continuing education program on "Machine learning with python".	NIT Warangal	12-4-2021 to 16-4-2021.	Department of computer science and engineering, NIT Warangal
Online faculty development program on 'Data science and its applications with python",	NIT Warangal	10th to 19th May 2021	Department of Computer science and engineering and E&ICT Academy, NIT Warangal.

13. Administrative Experiences

Role Played	Responsibilities	Period (from … to)
Member, NIRF committee	Involved in preparation of data for submission for NIRF.	Dec 2021 to Till date

14. Membership in Academic Bodies.

Name of the University / Institute / College	Type of Membership	Duration / Period
Madurai kamaraj university.	Member of the board of MCA and MS(IT) examinations.	
Department of Computer Applications, Madurai Kamaraj University.	Expert member to conduct GD and interview for the candidates seeking admission.	During the academic year 2017-2018.
Mannar thirumalai naicker college, Madurai.	University nominee for Board of studies.	During Dec 2019-Dec 2020
R.V.S kumaran arts and science college, Dindigul.	Member of Inspection Commision for M.Sc (Computer Science).	May 2019
Hajee Karutha Rowther Howdia College(Autonomous), Uthamapalayam.	Member of Board of Studies (Subject expert for M.Sc computer science).	Dec 2018-Dec 2020

15. Languages Known

Languages	Read	Write	Speak
Tamil	Yes	Yes	Yes
English	Yes	Yes	Yes

16. Competence in Computer Applications.
   Computer Languages Known and worked on:
     C,C++, Visual Basic, Visual C++, C#.NET and ASP,
     JAVA JSP,
     PHP
     Python(Pandas, Numpy and Matplotlib)
     R language
   Data bases known and worked on:
     MySQL, ORACLE,MS Access.
     Hbase
   Operating system known and worked on:
     MS DOS, Windows 7/8/10 and Ubuntu(Unix)
     HDFS(Hadoop)
   Packages known and worked on:
     Microsoft Word, Excel and Power Point.

Details of Publications

1. Research Publications
1.1. UGC-CARE Listed Journals

Clustering by enhancing co-occurrence frequency, Rathinasabapathy R, International journal of applied engineering research, volume 13(11),2018, March pp. 9646-9650.

Comprehensive software design for knowledge extraction from multi-dimensional data using object oriented concepts, Rathinasabapathy.R, International journal of computer engineering & Technology, volume 9(3), May-June 2018, pp. 1-13.

Design and analysis of adaptive artificial learning architecture to model non-linear systems using different activation functions, Rathinasabapathy R, Ravindran M, International journal of applied engineering research, Volume 14(6), March 2019, pp. 1305-1312.

A Comparative Analysis of Sentiment Classification using Machine Learning Algorithms, *G. Prathap* Rathinasabapathy R, Jour of Adv Research in Dynamical & Control Systems, Vol. 11, 04-Special Issue, 2019.

Architectures for image classification and performance analysis using different convolutional neural network and deep neural network and different combinations of activation functions, Rathinasabapathy, International journal of advanced research in engineering and technology, volume 11(6), June 2020, pp. 997-1005.

1.2. Other Refereed Journals

Analysis of complexities for finding efficient association rule mining algorithms, Rathinasabapathy R Bhaskaran R, International journal of internet computing vol(1)1, 2011, pp-29-34,DOP: 20-06-2011.

Association rule mining using mapping on frequent 1-itemsets, Rathinasabapathy R, International journal of internet computing vol(1)1, 2011, pp-43-48, DOP:20-06-2011.

1.3. Papers Published in Conference Proceedings
Rathinasabapathy.R, Bhaskaran.R, 2009, Performance comparison of hashing algorithm with Apriori, Proceedings 2009 International Conference on Advances in Computing, Control and Telecommunication Technologies ACT 2009, IEEE.

Rathinasabapathy R, 2011, Memory efficient Association rule mining using prefixitemArrayTree, Proceedings: International conference on frontiers of computer science-2011.

Rathinasabapathy.R, and Ramaswami.M, 2012, A framework for clustering multi-dimensional data using various functions, Proceedings: International conference on Mathematical Modeling and applied computing, 2012, volume 2, Sivasalapathy printers.

Rathinasabapathy R and Chandrasekaran S, 2013, Interruption controlled optimal sorting, Proceedings: International conference on global innovations in technology and sciences,2013, International Journal of Scientific & Engineering Research,IJSER.

Rathinasabapathy R, 2015, Object oriented software design for association rule mining algorithms using sequence diagram, Proceeding 2015 IEEE Conference on electrical, computer and communication technologies, IEEE.

1.4. Papers Presented in Conferences / Seminars.
1.4.1. International
1. R.Rathinasabapathy, R.Bhaskaran, Association rule mining using Hashing, International conference on graph theory and its applications, Organized by department of mathematics, Amrita school of Engineering, Ettimadai, *11-13-Dec-2008.*
2. R.Rathinasabapathy, R.Bhaskaran, Performance comparison of hashing algorithm with apriori, International conference on advances in computing control and telecommunication technologies, ACT 2009, Association of computer electronics and electrical engineers(ACEEE), Trivandrum, 28-29 Dec 2009
3. Rathinasabapathy.R, R.Bhaskaran, Analysis of complexities for finding efficient association rule mining algorithms, International conference on computer science and informatics, interscience research network, bhubaneshwar, 19-6-2011 to 20-6-2011.
4. Rathinasabapathy.R, Association rule mining using mapping on frequent 1-itemsets, International conference on computer science and informatics, interscience research network, bhubaneshwar, 19-6-2011 to 20-6-2011.
5. R.Rathinasabapathy, Memory efficient association rule mining using prefixitemArrayTree, International conference on frontiers of computer science, Atria institute of technology, IISc Bangalore, 7-8-2011 to 9-8-2011.
6. R.Rathinasabapathy, Ramaswami M, A framework for clustering multidimensional data using various functions, International conference on mathematical modeling and applied soft computing –MMASC 2012, Department of mathematics, Coimbatore institute of technology, Coimbatore, 11-7-2012 to 13-7-2012.
7. Rathinasabapathy.R, Chandrasekaran S, Interruption controlled optimal sorting, International conference on global innovations in technology and sciences 2013, SAINTGITS college of Engineering, kottayam, 4-6-2013 to 6-6-2013.
8. Rathinasabapathy R, Object oriented software design for association rule mining algorithms using sequence diagram, 2015 IEEE international conference on electrical, computer and communication technologies, SVS college of Engineering, Coimbatore, 5-3-2015 to 7-3-2015

2. Conferences / Seminars / Workshops / Webinars Attended
International
1. International conference on graph theory and its applications, Organized by department of mathematics, Amrita school of Engineering, Ettimadai, *11-13-Dec-2008.*
2. International conference on advances in computing control and telecommunication technologies, ACT 2009, Association of computer electronics and electrical engineers(ACEEE), Trivandrum, 28-29 Dec 2009

3. International conference on computer science and informatics, interscience research network, bhubaneshwar, 19-6-2011 to 20-6-2011.
4. International conference on computer science and informatics, interscience research network, bhubaneshwar, 19-6-2011 to 20-6-2011.
5. International conference on frontiers of computer science, Atria institute of technology, IISc Bangalore, 7-8-2011 to 9-8-2011.
6. International conference on mathematical modeling and applied soft computing – MMASC 2012, Department of mathematics, Coimbatore institute of technology, Coimbatore, 11-7-2012 to 13-7-2012.
7. International conference on global innovations in technology and sciences 2013, SAINTGITS college of Engineering, kottayam, 4-6-2013 to 6-6-2013.
8. IEEE international conference on electrical, computer and communication technologies, SVS college of Engineering, Coimbatore, 5-3-2015 to 7-3-2015.