

# RESUME



**Name: DR.J. REXY**

**Designation: Coordinator, Assistant Professor**

**Department: Computer Science [Shift II]**

**Address : SF M 36 Lucky Colony,Anbunagar,Perumalpuram,TVL-627007**

## PERSONAL DETAILS

Date of Birth : 21-12-1982

Qualification : M.Sc.,M.Phil.,M.B.A.,M.A., Ph.D., SET.,NET.,

Designation : Coordinator, Assistant Professor

Department : Computer Science [Shift II]

Community : BC

Religion : Christian

Nationality : Indian

Mobile : 9894527603

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## ACADEMIC QUALIFICATIONS

Degree	Specialization	College/University	Percentage	Year of Passing
SSLC		Mary Sargent HSC	78	1998
HSC	Maths Biology	Mary Sargent HSC	67	2000
B.Sc.	Computer Science	APA College, MS University	76	2003
M.Sc.	Computer Science	GVN College, MS University	82	2005
M.Phil.	Computer Science	Bharathidasan University	79	2006
M.A.	Public Administration	Tamil Nadu Open University	80	2010
M.B.A.	Information System	Bharathiar University	62	2015
TNSET	Computer Science and Application	Mother Teresa Women's University		2016
NET	Computer Science and Applications	UGC		2019
Ph.D.	Computer Science	MS University		2023

## ACADEMIC IDENTITY

*VIDWAN ID	288167
*ORCID ID	0000-0002-3978-5082
*SCOPUS ID	
*RESEARCHER ID/ PUBLONS ID	GON-7015-2022
GOOGLE SCHOLAR LINK	<a href="https://scholar.google.com/citations?view_op=list_works&amp;hl=en&amp;user=4WUUS2oAAAAJ">https://scholar.google.com/citations?view_op=list_works&amp;hl=en&amp;user=4WUUS2oAAAAJ</a>

## TEACHING EXPERIENCE

Date of Appointment	15-07-2005
Teaching Experience	UG :18 Years
	PG :18 Years
	M.Phil. 5
Research	Guided M Phil:4

COURSES/CLASSES TAUGHT	NAME OF THE INSTITUTIONS	DURATION	
		From	To
B.Sc. Computer Science	APA College, Nanguneri	15-07-2005	13-04-2007
M.Sc. Software Engineering	APA College, Nanguneri	15-07-2005	13-04-2007
M.Phil. Computer Science	St. Xavier's College	18-08-2012	31-05-2018
B.Sc. Computer Science	St. Xavier's College	13-06-2007	Till Date
M.Sc. Computer Science	St. Xavier's College	13-06-2007	Till Date

AWARDS RECEIVED	
1.	Women Achiever Award ( YWCA, International Level NGO)-2018
2.	Prof P.Devaraj Best Staff Award-2014-2015
3.	Best Paper Award in International Conference-2021
4.	Certificate of Merit -100 % Attendance Award (2008-2009) (2012-2013) (2016-2017) (2017-2018) (2019-2020)

ADMINISTRATIVE EXPERIENCE			
S. No	DESIGNATION	INSTITUTIONS	YEAR
1	Vice Principal [Shift II]	St. Xavier's College, Palayamkottai	2012-2015
2	Dean of Women Students	St. Xavier's College, Palayamkottai	2017-2020
3	SXC Quiz Club Coordinator	St. Xavier's College, Palayamkottai	2018-2020
4	Anti-Ragging Committee Member	St. Xavier's College, Palayamkottai	2017-2020
5	Centenary Exhibition Committee Member	St. Xavier's College, Palayamkottai	2023
6	Centenary Invitation Committee Coordinator	St. Xavier's College, Palayamkottai	2023
7	Coordinator, Computer Science Department [Shift II]	St. Xavier's College, Palayamkottai	2020 to Till Date

MEMBERSHIP		
S. No	Designation	Particulars
1.	Board Member & Finance Committee Chairperson(2021-2022)	YWCA-International NGO
2.	Treasurer(2022-2023)	YWCA- International NGO
3.	Member(2020 – Till Date)	YWCA- International NGO

4.	Board of Studies Member	Served as Board of studies member in Sadakuthullah Appa College from 2016 to 2018
5.	Interview Panel Member	Served as Interview Panel Member in G.Venkasamy Naidu College(2014-2015)
6.	Board of Studies Member	Board of Studies Member In VVV College, Viruthunagar (2021-2023)

**ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE ( )**

S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1	Orientation Programme For Teachers	St. Xavier's College	Tirunelveli, 18-08-2012 & 19-08-2012
2	Management Development Programme- I	Jesuit Higher Education	Loyola College, Chennai, 23-11-2012 – 29-11-2012
3	Management Development Programme- II	Jesuit Higher Education	Loyola College, Chennai, 05-05-2013 – 13-05-2013
4	Orientation Programme For Teachers	St. St. Xavier's College	Tirunelveli, 21-01-2014
5	Innovative Teaching Strategies For Student- Centered Education	St. Xavier's College	Tirunelveli, 05-07-2014
6	Millennium Psychology of Students	St. Xavier's College	Tirunelveli, 14-06-2016 & 15-06-2016
7	One Week STTP on Social N/W Analysis	Mepco Schlenk Engineering College	Sivakasi, 21-05-18 to 25-05-18
8	Online Faculty Development Programme on Uncovering Piazza for Effective Teaching	Sri Amaravati College of Arts and Science, Karur	Karur, 20-05-2020
9	International Faculty Development Programme on "AI based Proctoring in next generation Education	Sri Shankarlal SHASUN Sundarbai Jain College for Women, Chennai	Chennai, 23-05-2020
10	International Faculty Development Programme on "Technology and Emotional Enrichment"	Department of Computer Applications, St. Xavier's College, Palayamkottai	Tirunelveli, 22-06-2020, 24-06-2020 to 28-06-2020
11	Online Faculty Development Programme on Uncovering Piazza for Effective Teaching	Sri Amaraavathi College of Arts and Science, Karur	Karur, 20-05-2020
12	National Level Online Short Term Course on E-Content Development(FIP)	IQAC, Holy Cross College, Nagercoil	Nagercoil, 01-07-2021 to 08-07-2021

13	Faculty Development Programme on Block Chain Technologies and its Applications	Francis Xavier Engineering College	Tirunelveli, 16-05-22 to 20-05-22
14	Orientation Programme for Teachers	IQAC ,St. Xavier's College	Tirunelveli,15-07-22 and 16-07-22
15	Four Week Induction Programme for Faculty in Universities/Colleges/Institutes of Higher Education	Ramanujan College, Kalkaji, New Delhi	New Delhi, 20-06-22 to 19-07-22
16	Faculty Empowerment Programme	IQAC ,St. Xavier's College	Tirunelveli,23-07-2022
17	Faculty Empowerment Programme	IQAC ,St. Xavier's College	Tirunelveli,24-09-2022
18	Orientation Programme for Teachers	IQAC ,St. Xavier's College	Tirunelveli, 16-06-23 and 17-07-23
19	Two-week Refresher Course in "Managing Online Classes & Co-creating MOOCS 28.0"	Ramanujan College, Kalkaji, New Delhi	New Delhi, 06-07-23 to 20-07-23
20	FDP on Open AI tools for Academicians	St.Joseph's College, Tiruchirapalli	Tiruchirapalli ,16-08-23 to 22-08-2023

### AREAS OF RESEARCH

Signal Processing

Data Mining

Artificial Intelligence

### PUBLICATIONS: SCOPUS INDEXED JOURNALS ( ) WEB OF SCIENCE ( )

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1	Rapid Development of Applications in Data Mining	IEEE	ISBN:978-1-4673-2593-6,2013
2	A Novel Approach to Perform ECG Signal Identification and Segmentation Based on Pan-Tompkins and Hamilton-Tompkins Algorithm	International Journal of Pharmaceutical Research	Jan - Mar 2021   Vol 13   Issue 1 ISSN 0975-2366
3	Classification of Segmented ECG Signals Using Multi-Layer Perceptron Classification Algorithm	Design Engineering	ISSN: 0011-9342   Year 2021 Issue: 8   Pages: 1749- 1759

4	Heart Beat Classification in MIT-BIH Arrhythmia ECG Dataset using Double Layer Bi-LSTM model	International Journal of Mechanical Engineering	Vol. 6 (Special Issue, Nov.-Dec. 2021), ISSN: 0974-5823
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**PUBLICATIONS: UGC LISTED JOURNALS ()**

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1	Heart Beat Peak detection using signal filtering in ECG data ” International Journal of Advanced Technology and Engineering Exploration	International Journal of Advanced Technology and Engineering Exploration	6(50): Pages (12-24). ISSN (Print): 2394-5443 ISSN (Online): 2394-7454

**PUBLICATIONS: OTHER INDEXED JOURNALS ()**

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor &Pg.No
1	Enhancing Cloud Security With Automatic Data Classification And Appropriate Encryption Algorithms	International Journal of Innovative Research in Computer and Communication Engineering	ISSN:2320-9798 Online:2320-9801, Volume 5, Issue 1, January 2017
2	Classifying Tamil Audio Signals According To Speakers Using Combined MFCC and LPC Method	International Journal of Engineering Research in Computer Science and Engineering	Volume 5, Issue 3, March 2018, ISSN (Online) 2394-2320, pp-142-146
3	Feature Extraction and Classification of Segmented ECG Signals Based on Radial Basis Function and Random Forest Methodology	International Journal on Cybernetics & Informatics (IJCI)	Vol. 10, No.1/2, May 2021, pp. 35-45 ISSN :2277-548x(Online);2320-8430(Print)

**AS A RESOURCE PERSON**

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1	Seminar on Data Mining	G.Venkataswamy Naidu College	Kovilpatti, 01-02-12
2	Motivational Speech –Arise and Shine	Sadakathullah Appa College	Tirunelveli, 02-08-14
3	Chief Guest-Topic(Big Data)	Mahatma Gandhi College Of Arts And Science	Kella Eral, 26-09-14
4	Motivational Speech-Glittering Diamonds	G.Venkataswamy Naidu College	Kovilpatti, 01-02-14
5	Quiz Master-General Quiz	G.Venkataswamy Naidu College	Kovilpatti, 04-02-15
6	Seminar-Drone Technology	Manonmaniam Sundaranar University Constitution College	Ambai, 07-03-16
7	Seminar On E-Learning	St.Ignatius College Of Education	Tirunelveli, 02-06-16

8	Chief Guest-Assistive Technology	G.Venkataswamy Naidu College	Kovilpatti, 20-07-16
9	Chief Guest-Assistive Technology	Wavoo Wajeetha Women's College of Arts And Science	Kayalpattinam, 17-09-16
10	Seminar On E-Learning	St.Johns College Of Education	Tirunelveli, 17-10-16
11	One Day Workshop On E- Learning And Social Media Security Issues	Govindammal Adithanar College For Women, Tiruchendur	Tiruchendur, 31-01-17
12	Chief Guest-E-Learning	Keins College Of Education For Women	Vallioor, 06-10-17
13	Resource Person-Civil Service Coaching	St.Xavier's College	Tirunelveli, 21-11-17 to 30-11-17
14	Judge For Eco Competition	Florence Swainson Higher Secondary School	Tirunelveli, 05-12-17
15	Seminar on Twin Technology	Satakathulla Appa College Tirunelveli	Tirunelveli, 23-07-18
16	Seminar on Twin Technology	G.Venkatasamy College	Kovilpatti, 24-08-18
17	Motivational Talk-Technical Achievers	Sarah Tucker College, Tirunelveli	Tirunelveli, 19-09-19
18	Training Programme-Creating Blog	St. John's College of Education, Palayamkottai	Tirunelveli, 17-10-2019
19	Women's Day Special Talk	St. Ignatius College of Education, Palayamkottai	Tirunelveli, 06-03-2020
20	Motivational Talk-Youth Day Special Motivational Talk	Dept. of Business Administration, St. Xavier's College	Tirunelveli, 12-01-2021
21	National Level Webinar on Value Education: Embellish Virtues and Eradicate Vice: Nurturing Hearts and Nourishing minds through Value Education	St.Ignatius College of Education ,Palayamkottai & Arumbugal Trust, Tirunelveli	Tirunelveli, 25-02-2021 & 26-02-2021
22	Motivational Talk-Association Activity	Dept. of Computer Applications, St. Xavier's College	Tirunelveli, 15-03-22
23	Bridge Course Session -Born To Win	Sarah Tucker College	Tirunelveli, 10-07-23
24	Association Inaugural Seminar	Sarah Tucker College	Tirunelveli, 21-07-23
25	Motivational Talk--Glittering Diamonds	Department of Physics, St. Xavier's College	Tirunelveli, 27-07-23
26	AI-A Blooming Trend	Sri S.Ramasamy Naidu College	Sattur ,0 3-08-23
27	Machine Learning-A Blooming Trend	Mar Ivanios College	Trivandrum, 10-08-23

28	Power of AI in the Digital Era	GVN College, Kovilpatti	Kovilpatti , 07-09-23
29	Women's Mental Health-Coping Mechanisms in the Context of Sexual Harassment	St.Ignatius College of Education	Tirunelveli, 29-09-2023
30	Power of Artificial Intelligence in the Digital Era	JMJ College for Women	Andra Pradesh, 19-11-2023
31	Artificial Intelligence Sparks: Igniting Business Transformation	Dept. of Commerce, St.Xavier's College	Tirunelveli, 09-01-2024
32	Boundless Potential of Artificial Intelligence	Dept. of Computer Science St.John's College	Tirunelveli, 16-02-2024
33	Data Exploration : AI-Driven Creativity In Data Science	Dept. of Data Science, St.Xavier's College	Tirunelveli, 22-02-2024
34	Business Quiz	Dept. of Commerce, St.Xavier's College	Tirunelveli, 28-02-2024

<b>WEBINARS/SEMINARS/ CONFERENCES / WORKSHOP</b>			
<b>PAPER PRESENTED: National () International ()</b>			
<b>S. No</b>	<b>Name of the Event</b>	<b>Name of the Sponsoring Agency</b>	<b>Place and Date</b>
1	National Seminar on Emerging Dimensions of Service sector in the Indian Context	St. Xavier's College	Tirunelveli, 18-02-2011
2	National Conference on Explorations and Innovations in Advanced Computing	National Engineering College, Kovilpatti	Kovilpatti, 16-09-2011
3	NAAC Sponsored National Seminar	St. Xavier's College	Tirunelveli 29-01-2015 & 30-01-2015
4	ISTE Sponsored International Conference on Recent Trends in Information and Communication Engineering	Jeyaraj Annapakiyam CSI College of Engineering	Nazerath, 27-03-2015
5	State Level Seminar on Equity and Access :Women Empowerment in Higher Education Institutions	St. Xavier's College	Tirunelveli 11-03-2016
6	International Conference on Innovative Computational Intelligence-ICICI-2021	Department of Computer Applications, Francis Xavier Engineering College	Tirunelveli 07-05-2021
7	International Virtual Conference on Scientific and Technological Convergence (ICSTC 2021)	PG and Research Centre ,Sri Sarada College for Women, Tirunelveli	Tirunelveli 17-08-2021
8	International Conference on Recent Trends in Computing and Information Technology	Department of Computer Applications and Research Centre and Department of	Tirunelveli 11-02-2022 and 12-02-2022



		Computer Science, Sarah Tucker College, Tirunelveli	
9	International Conference On Research and Innovation in Science Technology & Management	BEST Innovation University and Institute for Engineering Research and Publication, Andhra Pradesh	Andhra Pradesh, 07-01-2022 & 08-01-2022

<b>WEBINARS/SEMINARS/ CONFERENCES / WORKSHOP ATTENDED:</b>			
<b>S. No</b>	<b>Name of the Event</b>	<b>Name of the Sponsoring Agency</b>	<b>Place and Date</b>
1	Workshop- Weka(A Data Mining Tool)	St. Xavier's College	Tirunelveli, 09-03-12 & 10-03-12
2	Workshop- Geographical Information System	Thiagarajar College of Engineering	Madurai, 06-04-2012
3	Faculty Workshop On Competence Building	St. Xavier's College	Tirunelveli, 15-03-2013 & 16-03-2013
4	Seminar on Image Mining	Sadakathullah Appa College	Tirunelveli, 08-01-2014
5	Seminar on Environmental Management	St. Xavier's College	Tirunelveli, 07-03-2014
6	Seminar on Big Data And Cloud Computing	Manonmaniam Sundaranar University	Abishegapatti, 18-12-2014 & 19-12-2014
7	Seminar on Innovations In Student- Centered Teaching- Learning Process In 21 <sup>st</sup> Century	St. Xavier's College	Tirunelveli, 29-01-2015 & 30-01-2015
8	Seminar on Research Challenges In Big Data And Cloud Computing	Sethu Institute of Technology, Virudhunagar	Virudhunagar, 10-02-2015
9	Workshop on Recent Research Trends In Computing Techniques For Bioinformatics	Mepco Schlenk Engineering College, Sivakasi	Sivakasi , 24-07-2015 & 25-07-2015
10	Workshop on Hadoop Big data	Coimbatore Institute Of Technology	Coimbatore, 11-09-2015
11	Workshop on Digital Image Processing Using PSO	St. Xavier's College	Tirunelveli, 18-09-2015
12	Seminar on Big Data Analytics	Manonmaniam Sundaranar University	Abishegapatti, 22-01-2016
13	Seminar on Equity And Access: Women Empowerment In Higher Education Institutions	St. Xavier's College	Tirunelveli, 11-03-2016
14	Seminar on Recent Trends In Computer Techniques	Wavoo Wajeaha Women's College	Kayalpattinam, 18-08-2016

15	Workshop on Segmentation, Feature Extraction & Classification Using MatLab	Sadakathullah Appa College	Tirunelveli, 21-09-2016
16	Seminar on Psychology of Students	St. Xavier's College	Tirunelveli, 30-09-2016
17	Seminar on L3f Outreach Programme	Arulanandar College, Madurai	Madurai, 21-07-19
18	Workshop on Data Analytics with NLP for Health Care Applications	MEPCO Engineering College	Sivakasi, 08-02-2021 to 12-02-2021
19	One Day National Workshop on Modern Ethics in Research Methodology	The M.D.T. Hindu College, Pettai, Tirunelveli	Pettai, Tirunelveli, 12-02-2020
20	Webinar on Challenges in IOT Networking	Department of Computer Science and Research, S.T.Hindu College, Nagercoil	Nagercoil, 01-06-2020
21	Webinar on Cloud Applications - Deployment and Maintenance	Department of Computer Science and Engineering, SRM TRP Engineering College	Trichy, 01-06-2020
22	Research Issues in Digital Image Processing webinar	Department of Computer Science, Government Arts & Science College, Kovilpatti	Kovilpatti, 05-06-2020
23	International Webinar on Software Process Model	Department of Computer Science, Sarah Tucker College, Tirunelveli	Tirunelveli, 12-06-2020
24	National Webinar Series on "Research Methodology"	Loyola College, Chennai	Chennai, 12-06-2020 & 13-06-2020
25	Webinar on Google's UI Toolkit	Servite Arts and Science College for Women	Thogaimalai, 13-06-2020
26	One - day International Webinar on Accelerating Education 4.0 using ICT tools - POST COVID PARADIGM	IQAC, St. Xavier's College, Palayamkottai	Tirunelveli, 17-06-2020
27	National Level Webinar on "Data Analytics Technology Trends and Solutions"	St. Xavier's College, Palayamkottai	Tirunelveli, 25-06-2020
28	One - day National Webinar on "COVID-19 & Care for Environment"	IQAC, St. Xavier's College, Palayamkottai	Tirunelveli, 26-06-2020
29	National Level Webinar on "Insights of Block Chain"	Department of Computer Science, St. Xavier's College	Tirunelveli, 29-06-2020

30	National Webinar on ICT Tools for teaching Learning: Online Assessment Tools	IQAC, St. Xavier's College, Palayamkottai	Tirunelveli, 23-07-2020
31	National Webinar on ICT Tools for teaching Learning: Tools for Interactive Content Preparation	IQAC, St. Xavier's College, Palayamkottai	Tirunelveli, 24-07-2020
32	State Level Workshop on Public Financial Management System(PFMS)	St. Xavier's College Palayamkottai	Tirunelveli, 01-02-2021 and 05-02-2021
33	Workshop on Python OOPS Concept	Iconic Software Solutions, Tirunelveli	Tirunelveli, 09-07-2021
34	Hands on workshop-Reimaging with machine Learning: The future Realm	Rani Anna Government College for Women, Tirunelveli	Tirunelveli, 16-10-2021
35	Workshop on Research Ethics and Art of Science Writing	Malla Reddi Engineering College, Dhulapally	Dhulapally, 18-09-2021
36	Orientation Programme for Teachers	Internal Quality Assurance(IQAC), St. Xavier's College	Tirunelveli 15-07-22 & 16-07-22
37	SXC-Centenary-Faculty Empowerment Programme(FEP)	Internal Quality Assurance(IQAC), St. Xavier's College	Tirunelveli 23-07-22
38	SXC Centenary - Faculty Empowerment Programme(FEP)- 02	Internal Quality Assurance(IQAC) , St. Xavier's College	Tirunelveli 24-09-22
39	National Conference on Artificial Intelligence: Intelligent Yet Artificial	St. Ignatius College of Education	Tirunelveli 25-10-23
40	National Webinar on Cognizance of the Power of ChatGPT and Generative AI	Dharmamurthi Rao Bahadur Calavala Cunnan Chetty's Hindu College	Chennai,30-08-23
41	Five-day Virtual Faculty Empowerment Workshop on E-Content Preparation and ICT Tools	Internal Quality Assurance(IQAC) , St. Xavier's College	19-09-23, 26-09-23,03-10-23, ,10-10-23, & 17-10-23
42	One day Workshop on Generative AI Tools and its Applications for Industry 4.0	St. Xavier's College	27-02-2024

### EXTRA-CURRICULAR ACTIVITIES

Served as Quizmistress for 16 State Level Technical Quiz

Served as Quizmistress for 3 National Level General Quiz

Served as Quizmistress for 2 School Level General Quiz

Motivational Speaker

**Date:**04-03-2024