

CURRICULUM VITAE

Mrs. A. Jane Johnson M.Sc., M.Phil.

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Career Objective

To build career in a growing organization, where I can get the opportunities to prove my abilities by accepting challenges, fulfilling the organizational goal and climb the career ladder through continuous learning and commitment.

Skills

- Languages:** C, C++, Java, Visual Basic
- Web Technologies:** HTML, PHP
- Data Bases:** My SQL
- Operating Systems:** WINDOWS 2000

Educational Qualification and Courses

- S.S.L.C. from State Board of Tamil Nadu passed with 87% in the year 1992.
- H.Sc. from State Board of Tamil Nadu passed with 83% in the year 1994.
- B.Sc. Computer Science from Sri Parasakthi College for Women, Courtallam (M.S.University) passed with 84% in the year 1997.
- M.Sc. Computer Science from M.S.University passed with 77% in the year 1999.
- M.Phil. Computer Science from Mother Teresa Women's University passed with 70% passed in the year 2000.
- Ph.D. (Pursuing)

Professional Experience

- Working as an Assistant Professor, Department of Computer Science, A.P.C. Mahalaxmi College for Women, Tuticorin from 01/06/2018 to till date.
- Working as an Assistant Professor, Department of Computer Science, A.P.C. Mahalaxmi College for Women, Tuticorin from 04/12/2008 to 31/08/2016. (7 Years & 8 Months)
- Working as an Assistant Professor, Department of Computer Science, Sarah Tucker College, Tirunelveli from 08/08/2000 to 03/12/2008. (8 Years & 4 Month)

Publications

- Published article in the book ENRICH on the topic “Analysis of Various Segmentation Algorithms in Image Processing “
- Published a paper entitled “Application of Data Mining in medical fields” in the Journal of Emerging Technologies and Innovative Research (JETIR) with ISSN No : 2349-5162 VOL 6 Issue 2 Feb 2019.
- Published an article entitled “Underwater Wireless Sensor Networks; Its Recent Issues and Challenges” in the International Journal of Studies in Indian Places Names with ISSN: 2394-3114 Vol - 40 - Issue - 40 - March 2020.
- Published an article entitled “An analysis on Diverse Deep Learning Strategies for Automated Driving” in the International Journal of Modern Agriculture ISSN: 2345-2352 – Vol. 10 No.2(2021).
- Published a paper entitled “**Drug-Target Interaction Prediction Using Relative Multi-Head Self-Attention and Graph Attention Exchange Network**” in Power System Technology with ISSN 1000-3673, Volume 49, Issue 2, May 2025, Scopus Indexed Journal.
- Published a paper entitled “**CNNRMHSA-LGTEN: An Efficient Local Graph transformer and Convolutional Attention Exchange Network for Drug Target Interaction Prediction**” in Tuijin Jishu/Journal of Propulsion Technology with ISSN 1001-4055, Volume 46, Issue 3, 2025, Scopus Indexed Journal.

Papers Presented

- Presented a paper entitled “Sentiment Analysis using Natural Language Processing and Machine Learning” in International Conference on Advances in Science and Engineering (ICASE – 2022) at A.P.C. Mahalaxmi College for Women, Thoothukudi on 24th & 25th, March 2022.
- Presented a paper entitled “An Analytical Study of Various Machine Learning Techniques for Drug Target Interaction Prediction” in IMCIR 2023 held at A.P.C. Mahalaxmi College for Women, Thoothukudi on 01/04/2023.
- Presented a paper entitled “A Survey on Drug Target Interaction Prediction Using Deep Learning Techniques” in the National Conference on Data Science and Analytics NCDA’24 conducted on 05/03/2024 organized by the Department of Computer Science with Data Analytics, Computer Science (Artificial Intelligence & Data Science), Computer Technology, Computer Science with Cyber Security, Sri Ramakrishna College of Arts and Science, Coimbatore.
- Presented a paper entitled “Machine Learning and Deep Learning for Drug Target Interaction Prediction” in the International Virtual Conference on Data Science, Artificial Intelligence and Machine Learning (ICDSAIML 2024) on 21/03/2024 Organized by the Department of Computer Applications, PG Department of Information Technology and Research Department of Computer Science, Mazharul Uloom College, Ambur.

- Presented a paper entitled “Drug Target Interaction Prediction Using Artificial Intelligence Techniques: A Review” in the International Conference on “Convergence of Knowledge and New Frontiers: Exploring IT, Computer Applications, Library Science, Statistics and Life Sciences in Science & Technology” on 07/03/2025 organized by the Department of Botany, Computer Applications, Information Technology, Statistics & Library Science, G. Venkataswamy Naidu College, Kovilpatti.
- Participated and presented a paper entitled “Drug Target Interaction Prediction Using Graph Transformer Model” in International Conference on Computer Science and Technologies – ICCST 2025 on 08/08/2025 organized by the Department of Computer Science, Sarah Tucker College, Tirunelveli.

Faculty Development Programs Attended

- Participated in an online Capacity Building Workshop on “Manuscript Writing and Publishing” from 12th to 16th September 2022 organised by Madras Christian College (Autonomous), Chennai.
- Participated 30 days master class on “Machine Learning” at Pantech E-Learning Private Ltd., Chennai from 30/05/2022 to 28/06/2022.
- Participated online Faculty Development Program on “Research Trends and Methodologies in Machine Learning” during 25th – 29th July 2022 organized by Haldia Institute of Technology, West Bengal.
- Participated in the one week online short-term faculty development program on “Ethics in Academic Research Writing” 30/01/2023 to 04/02/2023 organised by AMET University, Chennai.
- Participated an International Webinar on “Keys to Publish in High Impact Journals” organized by Marine Research Forum, St.Mary’s College(Autonomous), Thoothukudi on 07/02/2023.
- Participated in the National Seminar on “Future of AI” organized by P.G. Department of Computer Science, A.P.C. Mahalaxmi College for Women, Thoothukudi on 07/03/2023.
- Participated in the IET-UK sponsored 6 days Faculty Development Programme on “Future Research and Innovation Technologies” organized by IET Kanyakumari Local Network from 06/03/2023 to 11/03/2023.
- Has attended a Guest Lecture on “Research Paradigm” organized by the Department of Computer Applications, Francis Xavier Engineering College, Tirunelveli in Association with Institution Innovation Council, Coimbatore on 29/03/2023.
- Participated in the “International Conference on Applied Mathematics and Intellectual Property Rights (ICAMIPR 3 – 2022)” Organized by IMCIR 2023 held at A.P.C. Mahalaxmi College for Women, Thoothukudi

on 01/04/2023.

- Participated One Week Faculty Development Program on “Artificial Intelligence in Advanced Machine Learning and Cloud Computing” during 10/07/2023 to 14/07/2023 organized by Department of Computer Science and Engineering, Haldia Institute of Technology.
- Participated in 12 days virtual Faculty Development Program on “Human Potentials in Emerging Technologies in Computer Science” organized by the School of Computer Science Kongunadu Arts and Science College (Autonomous) between 04/09/2023 & 16/09/2023.
- Participated in a one day state level workshop on “Exploring the Features of React Application and its Industrial Use” organised by the Department of Computer Science, Sarah Tucker College (Autonomous), Tirunelveli on 15/09/2023.
- Participated in five days online Faculty Development Program on “Emerging Trends in Data Analytics and Machine Learning” organised by Karunya Deemed University, Coimbatore from 18/09/2023 to 22/09/2023.
- Participated in the state level workshop on “Machine Learning Using Python” organized by the Department of Computer Application & Research Centre, Sarah Tucker College (Autonomous), Tirunelveli on 06/10/2023.
- Participated in the International online workshop on “Academic Writing – Ethical Issues” from 19/01/2024 to 21/01/2024 organized by Global Institute of Statistical Solutions.
- Participated in the International Faculty Development Programme on “Emerging Technologies in Computer Science” during 22/01/2024 to 27/01/2024 organized by Eswari Engineering College, Ramapuram, Chennai.
- Participated in the International online workshop on “Start Research with Smart Artificial Intelligence (AI) Technology” from 02/03/2024 to 04/03/2024 organized by Global Institute of Statistical Solutions.
- Participated in One Day National Workshop on “Research Methodology” held on 11/03/2024, organized by Department of Commerce & Management, Shri Muktanand College, Gangapur Dist, Chhatrapati Sambhajanagar.
- Participated in 2 Days Online National Level Faculty Development Programme on “To Write a Research Paper for Scopus Journal Using the Emerging Area of Academics and Research in the Current Situation and Techniques” organized by S.K.P. Engineering College, Tiruvannamalai from 13/03/2024 & 14/03/2024.
- Participated in the workshop on “Academic Writing, IPR and Hands on Training on Detecting Plagiarism Using EAARJAV Tools” organized by Research and Development Cell and IQAC, Sarah Tucker College (Autonomous), Tirunelveli on 15/03/2024.

- Participated in “7 Days National Level Faculty Development Programme on Python” organized by Star International Foundation for Research and Education, Thiruchengode from 19/03/2024 to 25/03/2024.
- Participated one day regional workshop on “Writing Research Articles using Latex” organized by the Department of Computer Applications & Research Centre, Sarah Tucker College (Autonomous), Tirunelveli on 07/08/2024.
- Participated in 5 days National Level Faculty Development Programme on “Current Trends in Technology” from 12/08/2024 to 17/08/2024 organized by MAR Gregorious College of Arts & Science, Chennai.
- Participated in 5 days International Technical Colloquium on “Exploring Computational Intelligence in Deep Learning: Emerging Trends and Real Time Applications” during 09/09/2024 to 13/09/2024 organized by Kamaraj College of Engineering & Technology, Virudhunagar.
- Participated in one-week National Level Faculty Development Programme on “Recent Advancements in AI & IOT – Industry Perspective” from 25/11/2024 to 30/11/2024 organized by Periyar Maniammai Institute of Science & Technology, Thanjavur.
- Participated one day Faculty Development Programme on “Bridging Ideas and Impact Factor for Research Excellence” organised by APCIAN Forum, A.P.C. Mahalaxmi College for Women, Thoothukudi on 08/01/2025.
- Participated in 6 days Faculty Development Programme on “AI Powered Learning: Shaping the Future of Education” from 20/01/2025 to 25/01/2025 organized by Department of Computer Science & Applications, Vivekanandha Arts & Science College for Women, Sankagiri.
- Attended 1 day Webinar on “Social Discrimination” organized by M.S. University, Tirunelveli on 20/02/2025.
- Published an article in Sarah Research Journal (In-house Journal of Sarah Tucker College) entitled “Survey on Various Attention Based Models Used in Drug Discovery” in the month of January.
- Presented a paper entitled “Drug Target Interaction Prediction Using Artificial Intelligence Techniques: A Review” in the International Conference on “Convergence of Knowledge and New Frontiers: Exploring IT, Computer Applications, Library Science, Statistics and Life Sciences in Science & Technology” on 07/03/2025 organized by the Department of Botany, Computer Applications, Information Technology, Statistics & Library Science, G. Venkataswamy Naidu College, Kovilpatti.
- Participated 5 days International Faculty Development Programme on “Research to Reality: Bridging AI Innovation with Academic and Social Needs” organised by Mangayarkarasi College of Arts and Science for Women, Madurai from 23/06/2025 to 27/06/2025.

- Participated one week Faculty Development Programme on “Recent Advancement in Artificial Intelligence & ML” from 30/06/2025 to 04/07/2025 organized by St. Joseph’s College of Engineering, Chennai.
- Attended 30 days master class on “Prompt Engineering” at Pantech e Learning Pvt Ltd, Chennai from 25/07/2025 to 24/08/2025.
- Participated on 5 days Faculty Development Programme on “AI, ML & Deep Learning for Autonomous Vehicles” held on 28th July to 1st August 2025 organized by STEP-National Institute of Technology Karnataka in association with Pantech e Learning.
- Participated one-week National Level Faculty Development Programme on “Recent Trends in AI – Text, Vision & Hardware Implementation Models” from 28/08/2025 to 02/09/2025 organized by Panimalar Engineering College.
- Participated and presented a paper entitled “Drug Target Interaction Prediction Using Graph Transformer Model” in International Conference on Computer Science and Technologies – ICCST 2025 on 08/08/2025 organized by the Department of Computer Science, Sarah Tucker College, Tirunelveli.
- Participated one day “Capacity Building Programme on Artificial & Emotional Intelligence for 21st Century Teachers” on 09/09/2025 organized by IQAC, V.O. Chidambaram College, Tuticorin.
- Published a paper entitled "**Drug-Target Interaction Prediction Using Relative Multi-Head Self-Attention and Graph Attention Exchange Network**" in Power System Technology with ISSN 1000-3673, Volume 49, Issue 2, May 2025, **Scopus Indexed Journal**.
- Published a paper entitled "**CNNRMHSA-LGTEN: An Efficient Local Graph transformer and Convolutional Attention Exchange Network for Drug Target Interaction Prediction**" in Tuijin Jishu/Journal of Propulsion Technology with ISSN 1001-4055, Volume 46, Issue 3, 2025, Scopus Indexed Journal.
- Participated one day “Capacity Building Programme on Artificial & Emotional Intelligence for 21st Century Teachers” on 09/09/2025 organized by IQAC, V.O. Chidambaram College, Tuticorin.
- Participated on 6 days Faculty Development Programme on “Generative AI & Large Language Models (LLM)” organized by A.P.C. Mahalaxmi College for Women in association with Pantech Solutions Pvt., Ltd. from 02/02/2026 to 07/02/2026.
- Participated Faculty Development Programme on “MERN STACK” from 16/02/2026 to 17/02/2026 organized by Francis Xavier Engineering College, Tirunelveli.
- Participated on 6 days National Level Faculty Development Programme on “Generative & Agentic AI – Tools & Demo’s ” organized by Sardar Vallabhai National Institute of Technology in association with Pantech

Solutions Pvt., Ltd. from 16/02/2026 to 21/02/2026.

- Participated one day online workshop “Building Your First SaaS Product from Scratch” on 15/03/2026 organized by Reccsar Pvt. Ltd.

Member of Organizing Committee

- Was an active member in the organizing committee of “International Seminar on Prospective areas of Research in Computer Science with Healthcare Data” held at A.P.C. Mahalaxmi College for Women, Thoothukudi on 9th & 10th August, 2018.
- Was an active member in the organizing committee of “International Conference on Recent Trends in Multi-Disciplinary Research” held at A.P.C. Mahalaxmi College for Women, Thoothukudi on 19th & 20th December, 2018.
- Was an active member in the organizing committee of “Virtual International Conference on Recent Trends in Multi-Disciplinary Research” held at A.P.C. Mahalaxmi College for Women, Thoothukudi on 9th & 10th April, 2021.

Other Academic Experiences

- Active member of the Technical Committee in publication of a Multidisciplinary Bi-annual Research Journal, “ENRICH”

Online Certification course

- Completed NPTEL Course on “Internet of Things”
- Completed NPTEL Course on “Soft Skill Development”

Declaration

I hereby declare that the above particulars are true and correct to the best of my knowledge.

Yours sincerely,

