Name: Kayathri K

Email : kayathri.k@amjaincollege.edu.in , gayathri.vijayaanand@gmail.com

Mobile No: 9710910739

OBJECTIVE

✓ I am a dynamic, innovative, and self-reliant individual eager to contribute to the organization's growth.

✓ I will use my experience teaching and training in an industrious and fast-growing world.

EDUCATION QUALIFICATION

✓ **Doing Ph.D in Computer Science at Mother Teresa Women's University, Kodaikanal.**

✓ **TNSET 2016 Qualified.**

✓ **M.E (Computer Science)** from **St. Peter's University** Affiliated to **St. Peter's University** (2009-2011).

✓ **M.Sc (Computer Science)** from **E.M.G Yadava Women's College** Affiliated to Madurai Kamaraj University (2004-2006).

✓ **M.Phil (Computer Science)** from Madurai Kamaraj University (2006-2007).

✓ **B.Sc (Computer science)** from Govt Arts college for women Affiliated to Madurai Kamaraj University (2001-2004).

PROFESSIONAL EXPERIENCE - 12 YEARS

✓ Currently working as an Assistant Professor in the Department of Software Applications from June 2017 to the current date at **Agurchand Manmull Jain College, Meenambakkam**, Chennai.

✓ I have Worked as **Assistant Professor** in the Computer Science department from Jan 2008 to Jan 2012 (4 Years) at Sriram College of Arts and Science College**,** Perumalpattu, Thiruvallur(D.T), Chennai.

JOURNAL PUBLICATIONS

1. "**CGSX Ensemble: An Integrative Machine Learning and Deep Learning Approach for Improved Diabetic Retinopathy Classification**" – **Scopus Index** – International Journal of Electrical and Electronics Research **(IJEER)**– ISSN: 2347-470X, Issue 2 volume: 12, June 2024.

2. "**Advancing Diabetic Retinopathy Detection and Severity Classification using Dynamic SwishNet-181**" – **Scopus Index** – International Journal of Intelligent Systems and Applications in Engineering – ISSN: 2147-67992147, Issue: 2024, 12(20s), 61–77.

3. **"An Ensemble Approaches to Improve Diabetic Retinopathy (DR) Detection and Severity Classification from Retinal Fundus Images" -** Springer Series "Lecture Notes in Networks and Systems**". Indexed by SCOPUS,** ISSN: 2367-3389- Issue: 2025.

4. **"Enhancing Diabetic Retinopathy Detection and Severity Classification through Dynamic SwishNet-181" – Scopus Index -Springer** - Issue: 2024.

5. "**Combination Of Predictions from Transfer Learning Models for Improved Diabetic Retinopathy Detection in Retinal Fundus Images**" – Scopus - Journal of Data Acquisition and Processing. ISSN: 1004-9037, DOI: 10.5281/zenodo.776896, Issue: Vol. 38 (2) 2023.

6. "**Deep Learning based Automatic Left and Right Eye Identification from Color Fundus Images**" – **Scopus** - Jilin Daxue Xuebao (Gongxueban)/Journal of Jilin University (Engineering and Technology Edition). ISSN: 1671-5497, Issue: 10-2022, DOI 10.17605/OSF.IO/NGR3Z.

7. **"Using Machine Vision Automatic Quality Classification of Black Pepper Seeds"-** International Journal of Research & Analytical Reviews(IJRAR), ISSN: 2348-1269. 12/5/2020.

8. "**A Survey on Classification Algorithms Performance Analysis and Applications of Data Mining in Healthcare**" – **UGC** - Journal of Analysis and Computation (JAC). JAC ISSN 0973-2861, VOL XIII Special Issue, January 2020.

CONFERENCE PAPER PRESENTATIONS

S. No	Paper Title	National / International	Date	Organization
1	An Ensemble Approaches to Improve Diabetic Retinopathy (DR) Detection and Severity Classification from Retinal Fundus Images	International	10/01/2025 and 11/01/2025	4th International Conference on Mathematical Modeling and Computational Science [ICMMCS 2025] organized by the Society for Intelligent Systems in association with the National Taipei University of Business, Taiwan; National University of Science and Technology, Iraq; and Sultan Moulay Slimane University, Beni Mellal – Khenifra region of Morocco.
2	Enhancing Diabetic Retinopathy Detection and Severity Classification through Dynamic SwishNet-181	International	24/04/24 & 25/4/24	ICONDEEPCOM, Department of Computational Intelligence, School of Computing, SRM Institute of Science and Technology, Chennai - 603203.
3	Diabetic Retinopathy (DR) Disease Identifying from Fundus Images Using Hybrid CNN Models in Deep Learning	International	09/01/24 &10/01/24	International Conference on Sustainable Computing and Future Transition in Technology. Nadar Saraswathi College of Arts & Science, Theni.

4	Using a Deep Learning Methodology Ensemble Three CNN Models for Identification of Diabetic Retinopathy (DR) from Fundus Images	International	9/11/23 & 10/11/23	International Conference on Innovative Trends in IT. Department of Computational Logistics, Alagappa University, Karaikudi.
5	A Deep Learning Approach for Diabetics Retinopathy Detection System using Convolutional Neural Networks (VGG 16 Model)	National	23.03.2023 & 24.03.2023	Department of Information Technology at Dr. M. G. R. Educational and Research Institute, Chennai
6	Computer-Based Diabetic Retinopathy Detection Using CNN Methodology.	International	24/02/23 & 25/02/23	International Conference on "Mathematical Modeling and Computational Science". Mother Teresa Women's University, Madurai.
7	Using Machine Vision Automatic Diabetic Retinopathy Detection through Deep Learning - CNN Methodology: An Overview	International	27/01/2023 & 28/01/2023	Integrated Technologies in Computer Applications. Nadar Saraswathi College of Arts and Science, Theni
8	Review of Non-Communicable Diseases Prediction System Using Data Mining Techniques	International	15/12/2021	International Conference on Innovation and Advanced Research in Software Applications. Department of Software Applications. A.M Jain College, Chennai.

9	A Survey on Classification Algorithms Performance Analysis and Applications of data mining in healthcare.	International	30.01.2020	International Conference on Artificial Intelligence and Machine Learning. Mangayarkarasi College of Arts and Science for Women, Madurai, Tamil Nadu.
10	Cell Breathing for Load Balancing in wireless LAN's	National	25/03/2011	Bhajarang Engineering College, Veppampattu. Thiruvallur

SWAYAM NPTEL COURSE COMPLETED

S.no	Course Name
1	Data Mining
2	Software Testing
3	Cloud Computing
4	Joy of Computing

BOOK PUBLISHED

S.No	Book Title	ISBN NO
1	Problem Solving using Python	ISBN:978-93-89970-55-5

FDP, WORKSHOPS, SEMINARS ATTENDED, AWARD, SHORT TERM COURSE

S.No	Name Of the Event	Total
1	FDP	30
2	Workshop	6
3	Seminar and Webinar	35
4	Award Received	4
5	Short Term Course	6

RESPONSIBILITIES & ACHIEVEMENTS

- ✓ Shown 100% results in University Exams
- ✓ Aadaidhanam Committee Member
- ✓ Discipline Committee Member.
- ✓ Grievance Committee Member.
- ✓ Class In charge
- ✓ Naan Mudhalvan SPOC
- ✓ NAAC File Maintenance
- ✓ Exam Committee Member.

TECHNICAL PROFILE

Area of Specialization: Data Structures, C, C++, Java, OS, DAA, RDBMS, Data Mining,

Deep Learning, Machine Learning, Web Technology

Skills : Teaching, Programming, Debugging Skills, Problem Solving,

Lecturing and Training.

PERSONAL PROFILE:

Date of Birth	: 05- Mar – 1983.
Gender	: Female.
Marriage Status	: Married.
Permanent address	: K. KAYATHRI S1, VISHNU HOME, VSJ NAGAR, 7th cross street, Near ZION INTERNATIONAL PUBLIC SCHOOL, PUTHUR VILLAGE, MAPPEDU JN, CHENNAI- 600126.

K. Kayathri