

Dr. C. KEERTHANA

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Pollachi-642001

Mob:9524237646

keerthanasabari24@gmail.com



I have **14** years of professional teaching experience in Computer Science, and have good understanding of academic functions of my discipline. In addition, I have the ability to work in a team and lead to the successful completion of tasks. I also have undergone several trainings, associated with research and presented papers. I am good at communication, to motivate the students to grow socially and academically.

EXPERIENCE

Assistant Professor in the Department of Computer Technology, Nallamuthu Gounder Mahalingam College, Pollachi from **June 2012 to till date.**

EDUCATIONAL QUALIFICATIONS

Course	University/Board	Name of the Institutions	Percentage/Class
Ph.D (PT)	Bharathiar University (Coimbatore)	NGM College	Commented
M.Phil (FT)	Bharathiar University (Coimbatore)	NGM College	Commented
M.Sc. (S.E) (2005-2010)	Anna University (Chennai)	MCET	First Class
H.S.C (2005)	State Board	PKD Higher Secondary School	First Class
S.S.L.C (2003)	State Board	Mariammal Girls Higher Secondary School	First Class

TECHNICAL SKILLS

- **C++**
- **Java**
- **DBMS**

- **Cloud Computing**

SPECIALIZATION

- Data Mining, Machine Learning

MOOC CERTIFICATION COURSES

- Completed NPTEL Online Certification Course “**Software Testing**”, Funded by MHRD, Govt. of India.
- Completed NPTEL Online Certification Course “**Data Base Management System**”, Funded by MHRD, Govt. of India.
- Completed NPTEL Online Certification Course “**Python for Data Science**”, Funded by MHRD, Govt. of India.

BOOK PUBLICATIONS

- ***Data Analytics: Principles Tools and Practices***. Priyam Publications, Coimbatore, 2025. ISBN: 978-93-49833-05-0.
- ***The Power of Machine Learning Intelligence***. Surya Publications, Coimbatore, 2025. ISBN: 978-81-986244-3-7.
- ***Features of Kali Linux***. Alpha International Publication, Thiruvapur, Tamil Nadu, 2025. ISBN: 978-93-5762-999-7.
- ***A Complete Guide for Cluster Based Network***. LAP LAMBERT Academic Publishing Company, Mauritius, 2024. ISBN: 978-620-0-27827-2.
- ***An Introduction to AI & ML***. LAP LAMBERT Academic Publishing Company, Mauritius, 2024. ISBN: 978-620-5-48826-3.

PAPER PUBLICATIONS

- Published a paper entitled “Lung Cancer Risk Prediction with Machine Learning Models”, Journal of the Maharaja Sayajirao University of Baroda, Vol.60. No.2 (I), pp. 152-159. ISSN: 0025-0422, 2026
- Published a paper entitled “Predicting Lung Diseases using Machine Learning Algorithms for Improved Diagnostic Accuracy”, Journal of the Maharaja Sayajirao University of Baroda, Vol.59. No.1, pp. 1-6. ISSN: 0025-0422, 2025
- Published a paper entitled “An Analysis of Medical Image Segmentation Algorithms”, Journal of the Maharaja Sayajirao University of Baroda, Vol.59. No.1, pp. 187-194. ISSN: 0025-0422, 2025
- Published a paper entitled “Lungs segmentation and classification using machine learning in chest x-ray”, Shodha Prabha, Vol.03. Book no:6, pp. 190-197. ISSN: 0974-8946, 2023

- Published a paper entitled “Performance Analysis of Machine Learning Classification Techniques to Predict Lung Diseases”, Journal of the Maharaja Sayajirao University of Baroda, Vol.57. No.1(V), pp. 3820-3830. ISSN: 0025-0422, 2023
- Published a paper entitled “A Survey on Heart Disease Prediction using Machine Learning”, International Journal of Computer Science Engineering and Technology (**IJCSET**), Vol.6. Issue: 1, January 2020, pp.11-18. ISSN: 2455-9091
- Published a paper entitled “A Review on Heart Disease Prediction using Machine Learning”, International Journal for Research in Science Engineering and Technology (**IJRSET**), Vol.7. Issue: 9, September 2020, pp.8-14. ISSN: 2394-739X
- Published a paper entitled “Heart Disease Data Pre-processing using Enhanced Data Mining Techniques”, International Journal of Advanced Science and Technology (**IJAST**), Vol.29. No.8,(2021), pp.6274-6282. ISSN: 2005-4238. <http://sersc.org/journals/index.php/IJAST/article/view/36064>
- Published a paper entitled “Enhanced Weighted Quadratic Random Forest Algorithm for Heart Disease Prediction”, **Design Engineering**, Vol.2021. Issue: 6, PP.4119-4133. [SCOPUS INDEXED], Aug 2021 <http://www.thedesignengineering.com/index.php/DE/article/view/3775>
- Published a paper entitled “Local binary fitting Median Filter for noise reduction in lung image datasets and classification”, Neuro Quantology, Vol.20. No.7,(Aug 2022), pp. 3820-3830. eISSN: 1303-5150. DoI: 10.14704/nq.2022.20.7.NQ33473
- Published a paper entitled “A Novel Ensemble Classification Technique Method to Improve the Prediction of Cardiovascular Disease”, Journal of the Maharaja Sayajirao University of Baroda, Vol.56. No.1(IX),(Oct 2022), pp. 3820-3830. ISSN: 0025-0422

PAPER PRESENTATIONS

- Participated and presented a paper ,”An IOT and Machine Learning-Based System for Hyper-Local, Predictive Disease outbreak Forecasting in Precision Agriculture”, International conference in Emerging Trends in Computation and Artificial Intelligence (ICETCS-2K25) organized by PG and Research Department of Computer Science, Provident College, Coonoor.
- Participated and presented a paper ,” Handwritten Digit Recognition Using Machine Learning Classification Algorithms”, International Conference on Recent Trends In Computer Science, Applications, Technology, Data Science and Mathematics (ICRTCSATDSM-2026) organized by Vidyasagar College Of Arts And Science In Association With Sri Aandal Educational Trust, Udumelpet.

- Participated and presented a paper ,”Lung Disease Prediction and Classification using Supervised Machine Learning Models”, 3rd International conference DRISHTI-2025 a New Era in Management and Technology organized by Vivekananda College of Engineering and Technology, Puttur.
- Participated and presented a paper ,”A study on Deep Learning Techniques for Deep belief Networks in Deep Neural Nets”, one Day International Conference on Recent Trends In Computer Science, Technology, Data Science And Applications organized by Vidyasagar College Of Arts And Science In Association With Sri Aandal Educational Trust, Udumelpet.
- Participated and presented a paper ,”5G: Architecting the Future of Connected Experiences ”, one Day International Conference on Recent Trends In Computer Science, Technology, Data Science And Applications organized by Vidyasagar College Of Arts And Science In Association With Sri Aandal Educational Trust, Udumelpet.
- Participated and presented a paper “Enhancing the Accuracy in Prediction of Heart Disease using Machine Learning Algorithms”, International Conference on Computing and Intelligent System-ICCIS 21, NGM College.
- Participated and presented a paper “ A Comparative study of machine learning algorithms in Heart disease Prediction”, *Two Day International Conference on Computing and Intelligent Systems ICCIS’21* , Sri Krishna Adithya College of Arts and Science, Kovaipudur, Coimbatore, India.
- Presented a paper “Heart Disease Data Pre Processing Using Enhanced Data Mining Techniques”, International Conference on Emerging Science and Technologies (ICEST 2021) entitled as, Organized by Hansoft Technologies Pvt Ltd.
- Participated and presented a paper “Classification of Lung Cancer Prediction Using Various Machine Learning Techniques”, Two Day National Conference On Deep Learning & Computer Interaction For Sustainability, NGM College
- Presented a paper “A Method For Improving The Prognosis Of Cardiovascular Disease Based On Ensemble Classification Techniques”, Virtual International Conference On Multidisciplinary Perspective In Business Management, Social Sciences And Technology 2022 (ICBMSST 2022), Hindusthan College of Arts & Science, Coimbatore, Tamilnadu, India.& Faculty of Business and Management, AIMST University, Malaysia

SEMINAR / CONFERENCE / WORKSHOPS

- Participated in two day seminar on “**Mobile Computing**” conducted by Hindusthan College of arts and science, Coimbatore & sponsored by Tamilnadu State Council for

Higher Education (TSCHE).

- Participated in online webinar on "Cloud Computing Simplified: An Introduction to Microsoft Azure", Presidency University, Bengaluru
- Participated in "**National Colloquium on Contemporary Trends in Big data Analytics**" organized by UG Department of Computer Applications, N. G. M. College, Pollachi.
- Participated in workshop on "**Quality Enrichment & Various Elements Pursued in Teaching for New College Teachers**".
- Participated in workshop on "**Big Data and Android**" conducted by Microsoft Research community, Coimbatore.
- Participated in Three Days Hands on Training "Data Science in Real Life- Usecases with NLP", organized by Department of Computer Science and Engineering, Vellalar College of Engineering and Technology, Erode.
- Participated in workshop on "**Android Application Development**", Conducted by Department of Computer Technology, N.G.M College, Pollachi and jointly organized with ACE Technologies, Tirupur.
- Participated in workshop on "**Big Data Analytics**", Conducted by Department of Computer Technology and Information Technology, N.G.M College in association with Innovative Dynamic Technologies, Coimbatore. Participated in National Level Webinar Programme on "**Wavelets in Image Processing**" organized by Sarah Tucker College, Tirunelveli.

FACULTY DEVELOPMENT PROGRAMME

- Attended Five Days Virtual FDP on "**Next-Gen Cyber security: Integrating security, Forensics and Legal Intelligence**", organized by Amity University, Bengaluru. 2026
- Attended Five Days **Research Enhancement Programme(REP)** organized by Department of Computer Science, CHRIST University, Bengaluru. 2026
- Attended Five Days FDP "**Generative AI with LLM**", organized by STEP-National Institute of Technology in association with Pantech e-Learning, Karnataka.
- Attended Six Days FDP " Deep Learning, **Gen AI, and their applications in Agriculture**", organized by Department of Computer Science and Engineering, Tezpur University in association with Pantech e-Learning
- Attended one week FDP on "**5G Networks Slicing and Applications**", organized by Presidency school of Information Science, Presidency University, Bengaluru.
- Attended a Faculty Development Orientation Programme on "**Art of Effective Learning Process towards Leadership**" conducted by Academy for Professional

Development, N.G.M College., Pollachi.

- Attended International seminar on **“Research Performance Analysis and Strategy”** Conducted by Bharathiar University, Coimbatore.
- Attended 12 days training programme on **“Personality Development”** organized by Human Excellence Department NGM College, Pollachi.
- Participated in Faculty Development Programme on **“Internet of Things (IoT)”**, Conducted by Department of Extension & Career Guidance, Bharathiar University and UTL Technologies Ltd, Bangalore.
- Participated in Faculty Development Programme on **“Art of Achieving Teaching Excellence in Digital Era”** organized by SIIMS, Pollachi.
- Participated in Four Days Faculty Development Programme on **“Impact on AI in Education and Industry Post COVID-19”** organized by NGM College, Pollachi.
- Participated in Faculty Development Programme on **“E-Content Development Methodology: Four Quadrant, OER and Copyright Issues”** organized by SGTB Khalsa College, Delhi. [Sponsored by MHRD].
- Participated in **Five Days Faculty Development** Programme Organized by school of Computer Science, KPR College of Arts and Science College, Coimbatore held from 06.7.2020 to 10.7.2020.
- Participated in 7 days National Level Webinar Programme on **“Data Visualization and its Tools”** organized by Department of Computer Science (Aided), NGMC, Pollachi.
- Participated in International Level Webinar Programme on **“Artificial Intelligence and Machine Learning with python”** organized by Department of Computer Science and Engineering, Nehru Institute of Engineering and Technology, Coimbatore.
- Participated in **Two Days DST PURSE Sponsored** Webinar on **“Advancements in Big Data and AI”** organized by Dept. of Computer Applications, Bharathiar University, Coimbatore.
- Participated in **Six Days Online Faculty Development Programme** on **“Recent Trends in Data Science and Big Data”** organized by Faculty of Computer Science, KG College of Arts and Science College, Coimbatore.
- Participated in State Level Webinar Programme on **“Role of AI in Cloud Computing”** organized by Department of Computer Applications, Women’s Christian College, Chennai.

CO – ORDINATOR & RESPONSIBILITIES

- **IIC- Innovation Ambassador.**
- **NAAC Co-ordinator** at department level

- **ISO Co-ordinator** at department level
- Acted as **HOD Incharge** in Computer Technology Department.
- Acted as **NAAC - Criteria II** Manager

RESEARCH PROJECTS

- Research Project #1: A new bit pattern identification to predict weather forecasting by mining rules
- Research Project #2: Seed Money Project “Machine Learning Based Segmentation and classification using Chest x-ray images to detect lung Diseases” Funded by Nallamuthu Gounder Mahalingam College, Pollachi
- Research Project #3: Hybrid Back Propagation Neural Network With Honey Badger Optimization For Multi-Class Lung Disease Classification

PERSONAL DETAILS

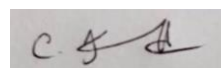
Date of Birth : 24.12.1987
Father Name : Chandramani .N
Mother Name : Sornalatha. S
Nationality : Indian
Marital Status : Married

DECLARATION

I hereby declare that the above furnished information's are true and correct to the best of my knowledge and sense.

Date : 30.06.2026

Place : Pollachi



(KEERTHANA C)