

Mahesh Lakshmi C
Assistant Professor
Department of Computer Science and Business Systems

Chennai

9003025649

lakshmi.csbs@sairam.edu.in



OBJECTIVES

With over 8 years & 11 months of experience as Assistant Professor and HOD(Head of the department of Computer Science and engineering) in the respective Engineering Colleges, Additionally 2 years and 1 month of experience as an Agile Scrum Master and Data Scientist, I have successfully implemented Agile framework for software development teams, increased efficiency and productivity, delivered projects as per the schedule as well as many Machine learning, Deep learning models created and predicted & With 11 Years of Total experience in both Teaching and IT Industry.

AREA/DOMAIN SPECIALISATION

- Data Science - Machine Learning - Deep Learning - Artificial Intelligence
- Data Mining and Analytics
- Text Mining and Analytics
- Web Mining and Analytics
- Social Media Monitoring and Analytics
- Business Analytics
- Software Engineering
- Agile Project Management
- Natural language Processing
- Statistical Analytics
- Python Programming
- Neural Networks

QUALIFICATION

- M.E (CSE) Master of Computer Science and Engineering Class of 2017 - “Anna University - MIT Campus” Chrompet Chennai
- B.E(CSE) Bachelor Of Computer Science and Engineering Class of 1999 - “Manonmaniam Sundaranar University - CSI Institute Of Technology” Nagercoil.

EXPERIENCE

Assistant Professor

24/06/2024 – Till now

Sri Sai Ram Engineering College, Sai Leo Nagar, Chennai, Tamilnadu

Roles and Responsibilities

- Worked as the Assistant Professor in the Department of Computer Science and Business Systems on teaching, coordinating and guiding, mentoring the students moral, discipline and knowledge
- As a subject handling faculty handled Data Mining and Analytics with Laboratory, IT Project management With Laboratory, Software Engineering and Design, Software Design With UML, Software Engineering given 100% result and good feedback from the student as well further Handling Advanced Social Media Text Analytics and Data Mining and Analytics with Lab
- Act as GATE Coordinator, Trainer, Orientation Counsellor of the year 2025 and 2026, 78 students got enrolled
- Act as YUCI Cell SCOPE Propagator and coordinated the event
- Act as GCR coordinator and Managing the repository and classroom activities
- Act as Course Moderator and Course Coordinator as well as Question Paper Setter
- Act as UG End Semester Paper evaluator both internal and external
- Act as UG External Squad to End Practical Lab

- Guiding and giving innovative ideas to the students for project completion on time, Patent publication etc.
- Act as Year coordinator by counselling the students
- Act as Maintaining ISO Audit File Maintenance-Staff Training Need and Plan,Post Delivery Higher Studies, Students Support(GATE, UPSC), Staff Training Attended Workshop, FDP, Symposium, Funded Project, Other Certification Courses (NPTEL)
- Act as involvement for the UG Admission and Committed the Admission 2025
- Act as Class Chairperson and Coordinated and rectified the issues in possible cases.

Data Scientist /Software Engineer
Natrinai Technologies ,Chennai,Tamilnadu
Roles and Responsibilities

13/06/2022 – 31/03/2023

- Built the air quality air index model and predicted 80% accuracy of air pollution outside and inside the cabin of airplane like temperature, pressure, humidity
- Analyzed the sensor data and alert messaged to passengers immediately sensed the CO2, NO2, ozone and plane hit by heavy rain and snow
- Implemented various visualization techniques analyzed and visualized monsoon wise and analysis of air pollution outside the plane and cause and effect of cabin pressure and temperature,humidity protecting passengers and air plane pilot and crew and air plane
- Successfully implemented Agile scrum frameworks for software development teams, allowing for increased efficiency and productivity.

Data Scientist & Associate Scrum Master
PLC Technologies (A division of Soft Logic Systems Pvt Ltd), Chennai, Tamilnadu
Roles and Responsibilities

20/01/2021 – 05/05/2022

- Improved monitoring and management of software development projects, leading to an improvement of overall project performance by 10%
- Provided guidance and training to team members on Agile practices and best practices
- Monitored and improved Agile processes based on regular feedback
- Generated project and sprint reports to provide visibility of the project's overall performance
- Created App for drone which classifies the cotton leaf plant which one is good and bad
- Using random forest algorithm and boosting algorithm build the model and predicted the accuracy of the diseased leaf and good leaf.

HOD and Assistant Professor
H.I.E.T Hindustan Institute of Engineering Technology, Chennai, Tamilnadu

06/01/2014 – 07/08/2015

Roles and Responsibilities

- Worked as the Head of the Department in Computer Science and Engineering on teaching, coordinating and guiding both the students and faculties.
- Achieved one among the best department in the college.
- Organized Symposium,Workshop, Internship,Industrial Visit to the students
- Faculty development programme. to the department faculties.

Assistant Professor

22/06/2009 –27/11/2009

Jaya Engineering College ,Chennai,Tamilnadu

Roles and Responsibilities

- Worked as a Assistant Professor and Symposium coordinator in the Department of Computer Science and Engineering on teaching, coordinating and guiding the students both academic and extra & co-curricular activities
- Assigned as a Staff coordinator and Faculty Advisor to inspect the subject handling faculties and advisor to the faculties.
- Handled Object Oriented Analysis and Design and IT Project Management subject and given 100 % Pass percentage.

Lecturer

06/08/1999 –17/12/2005

National Engineering College ,Kovilpatti,Tamilnadu

Roles and Responsibilities

- Worked as a Lecturer in both PG Department of Computer Science and Engineering (MCA Master Of Computer Application) and UG (B.E) Department of Computer Science and Engineering
- Act as Project coordinator in the Department of Computer Science and Engineering on teaching, coordinating and guiding various projects to the students
- Act as Tutor, Counsellor guided the students in a Moral, Discipline and better Progress in both academic and curricular activities
- Act as Parents Teachers Association Coordinator and organized successfully the event
- Act as Placement cell coordinator many students got placed
- Act as Tamilnadu Science Exhibition project advisor selected “Embedded Telephone” under the Financial Assistance and project proposal submitted for ”Quantum Cryptography”.
- Act as in AICTE and NBA Accreditation Work
- FDP program attended in CSI and ISTE Chapter
- Act as PC Hardware Lab Incharge and Prepared Purchase Oder and Purchased and Equipped New Modern Equipment Tools to enhance the students knowledge and Department Infrastructure.
- Handled the respective subject both theory and practical for both U.G and P.G like Computer Networks,Software Engineering, Computer Graphics, C, C++, Design and Analysis of Algorithms and produced good result.
- Act as External and Internal Practical Examiner
- Act as Paper Evaluator both Internal and External, Central valuation, Revaluation done.

SKILLS & COMPETENCIES

Agile Development & Scrum Project Management

- Agile Methodology
- Scrum, Kanban Framework
- Project Management
- Team Facilitation
- Sprint Goals Planning
- Risk and Dependency Management
- Stakeholder Engagement
- Continuous Process Improvement
- Project Visibility Reporting
- Process Documentation
- Training and Coaching

- Time Management
- Conflict Resolution
- Meeting Facilitation
- Strategic Planning
- Team Building
- Decision Making
- Problem Solving

Project Management Tool

- Jira
- Confluence
- Project Libre
- Bitrix 24

Data Science

- Python
- Data Science
- Machine Learning
- Deep Learning
- Transfer Learning
- BERT transformer
- NLP
- CNN, LSTM, RNN
- Artificial Intelligence

Data Analysis Tool

- Anaconda Jupyter Notebook,Spider
- Google Colab

Statistical Analysis

- Descriptive Analysis
- Predictive Analysis
- Inferential Analysis
- EDA Exploratory Data Analysis

Robotic Process Automation- UiPath, Automation Anywhere

Back-end: MySQL, NoSQL

Server:IIS and Apache

Operating System:Windows/Linux

Front-end: C,C++,JAVA,Python

Software Design Tool:Visual Paradigm,Star UML,Rational Rose,Smart Draw

Software Testing Tool:Rational Robot,Silk test,Quick Test Professionals,LoadRunner

Scripting Language:HTML,CSS,XML,Java Script,VBScript

Language Known:Hindi,Tamil,English

Microsoft Office

Quality & Testing Certificate

- Diploma In Software Quality Management and Testing(QA & QC)

Management Certification

- CSM-Certified Scrum Master
- PMP-Project Management Professional

GUVI CERTIFICATION COURSES- Master in Data Science Domain

Data Science-Data Mining-Data Analytics-Business Analytics

- <https://www.guvi.in/share-certificate/2147r6s66LN7CZd08t> -Data Science and Analytics
- <https://www.guvi.in/share-certificate/5632HO1K4h3f8N374p>- Data wrangling Mastering Data preparation and analysis
- <https://www.guvi.in/share-certificate/4602U9tyT147956vB3> - Web Scrapping
- <https://www.guvi.in/share-certificate/F17987HC045Yd03j6n> - Data Visualization using excel
- <https://www.guvi.in/share-certificate/BN003p57d81611JkO6> -Tableau for Beginners
- <https://www.guvi.in/share-certificate/5b061djH4V654736K5> -Advanced Data visualization using PowerBI
- <https://www.guvi.in/share-certificate/4vUw1hy7136N108553> -Tableau Desktop

ADDITIONAL COURSE CERTIFICATE

- **UNESCO MGIEP SEEK COURSE ON Social Emotional Education:Knowledge To Practice Conducted By Mahatma Gandhi Institute of Education for Peace and Sustainable Development**

ADDITIONAL TRAINING CERTIFICATES

- Attended training on “Panchayat Raj and Administrative Schemes” Conducted By SIRD- State Institute of Rural Development and Panchayat Raj ,one week during October 2025
- APPLE teacher Training Certificate From Sri Sairam Engineering College, Chennai during November 2025.

IEEE MEMBERSHIP

- Membership in IEEE Broadcast Technology Society Membership
- Membership in IEEE Electronics Packaging Society Membership
- Membership in IEEE Reliability Society Membership
- Membership in IEEE Technology and Engineering Management Society Membership
- Membership in IEEE Vehicular Technology Society Membership
- Membership in Digital Privacy Community, IEEE
- Membership in Entrepreneurship Community, IEEE
- Membership in IEEE SIGHT

- Membership in Internet of Things Community, IEEE
- Membership in Tech Ethics Community, IEEE

CLUB & CELLS

- Act as YUCI SCOPE Propagator supporting the various events conducted by YUCI and encourage the YUCI magic member team to work as well.

PAPER PRESENTATION

- Mahesh Lakshmi C, JayaShree T, Elakkiya S, Megha Bhargavi K - Title of Invention “Sobriety Tracker and Rehab Using Behaviour Patterns Analysis”- Field Of Invention as Bio Medical Engineering-Presented “SRM Institute of Science and Technology” Ramapuram Campus - NCRRAC in Year 2024.

WORKSHOP/SEMINARS ATTENDED

- NPTEL Online Course on “Programming in Modern C++” from 20 January 2025 - 12 weeks
- NPTEL Online Course on “Business Development: From Start to Scale ” from 20 January 2025 - 12 weeks as well as Best Mentor Award received
- NPTEL Online Course on “ Project Management ” Conducted by IIT Kharagpur from 17 February 2025 - 8 weeks
- NPTEL Online Course on “Business Analyst and Data Modelling Using R” Conducted By IIT Madras from Jan 19 2026 - 12 Weeks.

FDP / STTP ATTENDED

- ATAL FDP Training on Topic “Next Generation Algorithms and Technological Advances” conducted by Madras Institute Of Technology - MIT Campus Anna University -Jan 06 2025 To Jan 11 2025
- ATAL FDP Training on Topic “The Future of Healthcare: AI - Infused Med-Tech Innovations” conducted by “School of Arts and Science Vinayaka Mission Research Foundation,Deemed University” -November 17 2025 To November 11 2025
- ATAL FDP Training Organizer on Topic “AI and Quantum Computing Glimpsing Near the future” conducted by Sri Sairam Engineering College -Jan 06 2025 To Jan 11 2025
- ATAL FDP Training on Topic “AI and IoT for Resilient Infrastructure and Advanced Disaster Management” conducted by SRM Madurai College For Engineering and Technology - Jan 19 2026 To Jan 24 2026.

PATENT

- Mahesh Lakshmi C, JayaShree T, Elakkiya S, Megha Bhargavi K - Title of Invention “Sobriety Tracker and Rehab Using Behaviour Patterns Analysis” - Field Of Invention as Bio Medical Engineering-Patent Published Year 2025
- Mahesh Lakshmi C, Poojasri S, Abinesh S, Monishaa Shri S - Title of Invention “Talkmate Dynamic Display Based AAC Device With Care Giver Integration and Offline Phrase Management” - Applied Through IP Clinic Year 2025
- Mahesh lakshmi C, Hema, Ratheesh - Title of Invention “Multilingual Agricultural Decision Support System With Integrated Soil, Crop, PEST, Fertilizer and Irrigation Management” - Applied through IP Clinic Year 2025.

UG & PG PROJECT

- UG B.E CSE project Title “2D Animation App Using J++ - Pentafor Software PVT Limited”, Chennai - 1999
- PG M.E CSE Project Title “4G Network Security” MIT Campus Anna University, Chennai - 2017

PROJECT GUIDED

- Project Title “Sobriety Tracker and Rehab Using Behaviour Patterns Analysis”- Field as “Bio Medical Engineering” - Sri Sairam Engineering College, Chennai - B.Tech CSBS Year 2025
- Project Title “Embedded Telephone” TNSTC - National engineering College, K.R.Nagar, Kovilpatti - MCA Year 2003
- Project Title “Quantum Cryptography” - National engineering College, K.R.Nagar, Kovilpatti - MCA Year 2003
- Project Title “Talkmate Dynamic Display Based AAC Device With Care Giver Integration and Offline Phrase Management” - Sri Sairam Engineering College, Chennai - B.Tech CSBS Year 2025
- Project Title “Multilingual Agricultural Decision Support System With Integrated Soil, Crop, PEST, Fertilizer and Irrigation Management” - Sri Sairam Engineering College, Chennai - B.Tech CSBS Year 2025
- Project Title “Modified Blood Oxygen Level - ML Model Prediction” - Sri Sairam Engineering College, Chennai - B.Tech CSBS Year 2025
- Project Title “Smart Vision Glass - Vigilant View - AI ML Model Prediction” - Sri Sairam Engineering College, Chennai - B.Tech CSBS Year 2025
- Project Title “StrideX” - Sri Sairam Engineering College, Chennai - B.Tech CSBS Year 2026
- Project Title “Tech Trek Inclusive Learning and Employment for all” concept “AI Chat Bot” - B.Tech CSBS Year 2025
- Project Title “ECO Breath” - Sri Sairam Engineering College, Chennai - B.Tech CSBS Year 2025
- Project Title “Floating Fish ROBOT Using AI” concept “AI Robot designed to combat ocean plastic pollution using eco friendly operations” - Sri Sairam Engineering College, Chennai - B.Tech CSBS Year 2026
- Project Title “AVA the voice of Land” concept “AVA AI, a voice enabled virtual agronomist designed to bridge critical information and service gaps in rural agriculture” Sri Sairam Engineering College, Chennai - B. Tech Year CSBS 2025