



# Sri SAI RAM INSTITUTE OF TECHNOLOGY

An ISO 9001 : 2008 Certified Institution

Sai Leo Nagar, West Tambaram, Chennai - 44. [www.sairamit.edu.in](http://www.sairamit.edu.in)

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



Name	: SOPHIA P
Designation	: ASSISTANT PROFESSOR
Email	: <a href="mailto:sophia.cse@sairamit.edu.in">sophia.cse@sairamit.edu.in</a>
Qualification	: B.E, M.E., (Ph.D)
Specialization	: COMPUTER SCIENCE AND ENGINEERING
Research Interest	: Artificial Intelligence, Data Science
Experience in years	: 11.5
Orcid ID	: <a href="https://orcid.org/0009-0007-7689-2622">https://orcid.org/0009-0007-7689-2622</a>

Professional Membership	<p>Member of IEEE Member number: 100661671 IEEE Society Membership: 1.IEEE Broadcast Technology Society 2.IEEE Electronics Packaging society 3.IEEE Reliability Society 4. IEEE Vehicular Technology Society 5. IEEE young professional 6.IEEE sight IEEE Communities: 1.Quantum Technical Community 2.Internet of Things Community 3.Cloud computing Community</p>
Grant/Publication Patents	<p>1. Patent (IPR) published titled on “AI-Driven Image Recognition System with Enhanced Accuracy using Quantum Neural Networks”.</p> <p>APPLICATION NUMBER: 202441073877 DATE OF FILING: 30/09/2024</p>

## LIST OF PUBLICATIONS:-

### JOURNALS

#### SCOPUS:

- 1 Sophia P, G R Suresh, Kiruthika B, Juliet N, R Chadge, Ala'a Al Sherideh , “A Robust Artificial Intelligence Enabled Methodology to Predict Online Consumers Behaviour Using Hybrid Deep Learning Strategy”, Mar 2025.

#### ONLINE COURSE CERTIFICATIONS

1. Successfully completed and received certificate on “Microsoft SQL Certification Training” from Intellipaat on Nov 2025.
2. Successfully completed and received certificate on “Artificial Intelligence Course” from Intellipaat on Nov 2025.
3. Successfully completed and received certificate on “Advance Certification in Microsoft Excel” from Intellipaat on Jul 2025.
4. Successfully completed and received certificate on “Python Training” from Intellipaat on Jul 2025.
5. Successfully completed and received certificate on “SQL Course” from Intellipaat on Jun 2025.

### CONFERENCE

#### INTERNATIONAL CONFERENCE

1. Presented Paper, " Multivariate nonlinear piecewise polynomials approximation using BSP& GW", in the International Journal of Engineering Technology and Computer Applications (IJETCA), 2012.
2. Presented Paper, " Lesions and blood vessel detection in eye retinal image", in the International Conference on Developments in Engineering Research, 2016.
3. Presented Paper, " Integrated Diagnostic and Predictive System for Coloboma using Deep Learning", in the International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication (IConSCEPT) at NIT Puducherry, 2025.

#### NATIONAL CONFERENCE

1. Presented Paper in the National Conference On Engineering Approach for Sustainable Development held at Anna University of Technology, which happened on 27th September 2011, Trichy.

#### WORKSHOP / CONFERENCES /FDP ATTENDED/STTP:-

- Participated in the AWS Course Training Programme at Advantage Pro through VILT from 19.06.2024 to 25.06.2024.
- Participated in the Faculty Development Training Programme on “Data Science for Engineers” conducted by NPTEL-AICTE from Jul to Sep 2024.
- Participated in the Five Days Faculty Development Programme on “Quantum

Cryptography and Cyber Security” conducted by Sri Sai Ram Institute of Technology from 2.01.2025 to 7.01.2025.

- Participated in the Five Days Faculty Development Programme on “Integrating Software Defined Radio with Machine Learning” conducted by DMI College of Engineering from 8.01.2025 to 13.01.2025.
- Participated in the Faculty Development Training Programme on “Python for Data Science” conducted by NPTEL-AICTE from Jul to Aug 2024.
- Participated in the One Month Faculty Development Program on “Data Science” conducted by SkillDzire issued on Oct 2024.
- Participated in the One Week Faculty Development Programme on “Deep Learning and IoT Driven Smart Applications” conducted by MLRIT from 24 to 29 June 2024.
- Participated in the Six Days Faculty Development Programme on “Data Journey:Discovering Science and Visualization” conducted by Sri Sairam Engineering College from 16.12.2024 to 21.12.2024.
- Participated in the Five Days Faculty Development Programme on “Frontiers of Intelligence:Next-Gen Technologies Shaping the Future Research” conducted by Sri Sairam Engineering College from 29.05.2025 to 4.06.2025.
- Participated in the Five Days Faculty Development Program on “Artificial Intelligence and Machine Learning” conducted by Rajiv Gandhi University from 15 to 19 Sep 2025.
- Participated in the Faculty Development Training Programme on “Introduction to Machine Learning” conducted by NPTEL-AICTE from Jul to Sep 2025.
- Participated in the Faculty Development Training Programme on “Learning Analytics Tools” conducted by NPTEL-AICTE from Jul to Oct 2025.

## **NPTEL COURSES COMPLETED**

### **DATA SCIENCE DOMAIN**

- Python for Data Science
- Data Science for Engineers
- Business Intelligence and Analytics
- Introduction to Machine Learning
- Learning Analytic Tools

## **CERTIFICATES OF APPRECIATION**

### **MENTOR**

- Design & Implementation of Human-Computer Interfaces
- Software Engineering

- Complete guide for Campus Interviews

### **TOP PERFORMING MENTOR**

- Python for Data Science
- Introduction to Internet of Things
- Soft Skill Development

### **NITTTR MODULES COMPLETED**

- Orientation Towards Technical Education and Curriculum Aspects
- Professional Ethics and Sustainability

### **CERTIFICATE COURSE**

- SIRD&PR Course conducted by Rural Development & Panchayat Raj Department, completed on Oct 2025.