

Dr. SAI LOHITHA.N

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Tirupati – 517502**Email:** sailohitha.n@gmail.com**Date of Birth:** 10.06.1988**Academic Qualifications**

Class	Board/University	Year of Passing	Specialization/Area
Ph.D	VIT University	2023	Cloud Computing, Machine Learning
M. Tech	SRM University	2011	CSE(ISCF)
B. Tech	JNTUH	2009	CSE
Intermediate	Board Of Intermediate Education	2005	MPC
SSC	Board of Secondary Education	2003	

Academic Experience:

Organization	Position	From	To	No. of Years
SE&T, Sri Padmavati Mahila Visvavidyalayam	Assistant Professor(Senior)	2017	Present	7.6 years
Sree Vidyanikethan Engineering College	Assistant Professor	2014	2017	3.6 years
G.Pulla Reddy College	Assistant Professor	2011	2011	3 months

Industrial Experience

Organization	Position	From	To	No. of Years
Wipro Technologies	Project Engineer(Java Developer)	2011	2013	02

List of Subjects Taught:

1. Object Oriented Analysis and Design
2. Intrusion Detection System
3. Computer Networks
4. Database Management Systems
5. Computer Graphics
6. Computer Organization

7. BigData Analytics
8. Advanced Database management Systems
9. Cryptography and Network Security
10. Discrete Mathematical Structures
11. Ethical Hacking
12. Python Programming
13. Mathematical Foundations of Data Science

Areas of Research Interest:

- Machine Learning
- Big Data
- Cloud Computing

Number of PG Projects Guided 07

Number of UG Projects Guided 09

Number of Journals published 14

Number of Conferences attended 09

Number of FDP's attended 20

Patent Number	Patent Title	Status	Date
202141007260	Machine Learning Enthused Farming Model for Precision Agriculture	Published	26/02/2021
202141041465	Peak Detection Based Energy Detection of a Spectrum under Rayleigh Fading Noise Environment	Published	01/10/2021
385232-001	IoT Enabled Printer	Published	18/07/2023

Book Title	ISBN Number	Status	Year of Publication
A Basic Guide for Virtualization in Cloud Environment	978-1-63904-663-8	Published	2021

List of Publications in International Journals:

Title of the paper	Name of the Author	Name of the Journal	Publisher	ISSN No.	Volume No.	Page No.(s)	Year
1. A Study on crime data visualization and trends forecasting	N. Sai Lohitha	International Journal of Computer Engineering in Research Trends	International Journal of Computer Engineering in Research Trends	2349-7084	Vol: 10, Issue:4		April 2023
2. Appraising Different MBTI Personalities of Online Users by Analysing Machine Learning Algorithms	N. Sai Lohitha	Journal of Tianjin University Science and Technology	Journal of Tianjin University Science and Technology	04932137	Vol: 65, Issue:3	doi:10.17605/O SF.IO /N6Z 7U	May 2023
3. Integrated Publish/Subscribe and Push-Pull Method for Cloud based IoT Framework for Real Time Data Processing .	N. Sai Lohitha	Measurement: Sensors	Elsevier	26659174		https://doi.org/10.1016/j.measen.2023.100699	Feb 2023
4. A Novel Hybrid Spotted Hyena-Swarm Optimization (HS- FFO) Framework for Effective Feature Selection in IOT Based Cloud Security Data	N. Sai Lohitha	International Journal on Recent and Innovation Trends in Computing and Communication	International Journal on Recent and Innovation Trends in Computing and Communication	23218169	Vol:10 No:1s	https://doi.org/10.17762/ijritcc.v10i1s.5851	Dec 2022
5. Auction Mechanism for Cloud Resource Allocation	N. Sai Lohitha	Journal of Interdisciplinary Cycle Research		0022-1945		1475-1483	June 2022
6. An efficient framework for processing big data in internet of things enabled cloud environments	N. Sai Lohitha	International Journal of Communication Systems	Wiley Publication	e5146.		doi:10.1002/dac.5146	February 2022
7. Exploring of Machine Learning Algorithms for Personality Prediction over Social Media	N. Sai Lohitha	Psychology and Education	Psychology And Education	00333077	Vol: 57(9)	6437-6443	March 2021
8. A Correlation Study of Machine Learning	N. Sai Lohitha	Sambodhi Journal	Sambodhi Journal	2249-6661	Vol:43 No:2	84-87	July-September, 2020

Classification Techniques for Anomaly Based Intrusion Detection System							
9. A Study on First Ordered Online Supervised Learning Techniques and Algorithms for Big Data Analytics	N. Sai Lohitha	Test Engineering and Management Journal	The Matingley Publishing Co.,Inc.	0193-4120	Vol:83	2071-2076	March-April,2020
10. The Role and Advancements of IoT Technology in Smart Farming for Agri-business	N.Sai Lohitha	Journal of the Gujarat Research Society	JGRS	0374-8588	Vol:21 Issue:16	2404-2413	December 2019
11. Efficient Retrieval of the documents encrypted by attributes in cloud computing	N.Sai Lohitha	IJAEMA	IJAEMA	0886-9367	Vol-XI Issue:XI	3050-3062	November 2019

12. Providing Security in Social Media by using Trust Agent Based Behavior induction	N. Sai Lohitha	JETIR	JETIR	ISSN: 2349-5162	Vol:5 Issue:8	441-442	August, 2018
13. A Route Weight Assignment Method for Predictive Congestion Control in WSN	N. Sai Lohitha	i-manager's Journal on Wireless Communication Networks	i-manager's Journal on Wireless Communication Networks	ISSN: 2319-4839	Vol:5 Issue:2	17-23	September 2016
14. Anonymization of Social Networks by a Novel Clustering Algorithm	N. Sai Lohitha	IJETTCS	IJETTCS	ISSN: 2278-6856	Vol:3 Issue:3	242-246	May-June, 2014

Conferences Attended:

1. International Conference on Advances in Technologies and Applications for Sustainability	Oct 2023	Oct 2023	Smart Waste management System	M.B.University
2. 2nd National Conference on Knowledge Innovations and Technologies for Sustainability	Mar 2023	Mar 2023	Cloud Resource Allocation using Auction based Mechanism	M.B.University
3. International Conference on Advanced Computing and Informatics	Sep 2022	Sep 2022	Auction Mechanism for Cloud Resource Allocation	Saveetha University
4. International Conference on Computing, Communications and Data Engineering	Nov 2020	Nov 2020	Exploring Machine Learning Algorithms for Personality Prediction over Social Media	SPMVV
5. International E-Conference On Energy, Control, Computing and Electronic Systems	Nov 2020	Nov 2020	A Corresponding Study of Machine Learning Classification Techniques for Anomaly Based IDS	Sree Vidyanikethan Engineering College
6. International Conference on Innovations in Engineering and Management	March 2020	March 2020	A Study on First Ordered Online Supervised Learning Techniques and Algorithms for Big Data Analytics	K.V. Subba Reddy Engineering College for Women
7. Online International Conference on "Recent Trends in Computer Science and Information Technology	June 2020	June 2020	A correlative study of machine learning classification techniques for anomaly based intrusion detection system	St. Martin's Engineering College

8.A Virtual National Conference on Artificial Intelligence- Current Trends and Applications	March 2020	March 2020	A Comparative study of Machine Learning Techniques for Anomaly Based Intrusion Detection System	SPMVV
9.International Conference on Universal Computing, Communications and Data Engineering	Feb 2019	Feb 2019	Analytical Study and A Real IOT Implementation of Machine Learning For Health Monitoring and Management	SPMVV

9. Contribution to the Academics and Research

1. Conducted Internship Programme for III B. Tech students in the month of May, 2023 and about to conduct the same for the AY 2024-2025, 2023-2025.
2. Organized Celestra'24,23, a technical fest by CSE department in the month of March, 2023 and served as MISS VIRINCHI 2K24 coordinator during VIRINCHI cultural fest 2024.
3. Working as a SPOC for APSCHE on behalf of Engineering College
4. Worked on criterion 5 for NAAC committee visit in 2022.
3. Organized a webinar on “What is Software Engineering Anyway” by Dr, Sridhar Chimalakonda, Assistant Professor, IIT Tirupati on 08.10.2021.
4. Visited Centre of Excellence in Maritime and Shipbuilding (CEMS), Vishakhapatnam on the purpose of MoU in the month of October, 2022.
5. Served as an Industry Internship Coordinator for signing an MoU between SPMVV and CEMS on 14.12.2021.
6. Submitted Quarterly reports to APSCHE as co-coordinator, SPMVV which is a part of Shikshit Bharat on regular basis.
7. Conducted activities for 5 days as a part of EBSB in collaboration with Aazadi Ka Amrit Mahotsav from 09.03.2022 to 15.03.2022.
8. Organized a webinar on “Importance of Internships” in association with Internshala, New Delhi on 07-04-2021.
9. Conducted an “Online Programming Quiz”, Smart Hack in association with EICT Academy, IIT Kanpur on 01-04-2021
10. Guided three(3) B. Tech Projects, three(3) M.Tech Projects, one(1) M.Tech projects (ongoing)
11. Prepared syllabus for “**DataBase Management Systems**” theory and laboratory for B.Tech programme.
12. Prepared syllabus for “**BigData Analytics**” theory for both B.Tech and M.Tech programmes.
13. Prepared syllabus for “**Data Science**” theory for M.Tech programme.
14. Prepared course outcomes, CO-PO mapping for DBMS, Big Data, and Data Science subjects for Board of Studies following Bloom’s Taxonomy.
15. Worked on Outcome based education curriculum.
16. Question papers are prepared according to Blooms Taxonomy.
17. Assignment Booklets and question bank for assigned subjects has been prepared.
18. Various association activities (Technical/Non-Technical) are conducted every week.

19. Conducted Online classes, internal project viva-voce for B. Tech students using MICROSOFT TEAMS platform and external viva-voce for M. Tech students also.
20. Conducted online exams using canvas during lockdown.
21. Served as a lead coordinator for **Winter and Summer training programs** conducted at SIEMEN'S Centre of Excellence, S.V. University, Tirupati during 2018-2019.
22. Served as a lead coordinator for **winter training program** conducted at SIEMEN'S Centre of Excellence, S.V. University, Tirupati during 2019-2020.

E-content developed during the year 2023-24

1. <https://www.youtube.com/watch?v=t3WCiv7ZLw8&t=85s>
2. <https://www.youtube.com/watch?v=2UDM4Lorrm0&t=15s>
3. https://www.youtube.com/watch?v=o6RjBTj_e0Y
4. <https://www.youtube.com/watch?v=NIkMDNeJtyc&t=11s>

23. Trained a batch of 30 students (III B.Tech, CSE) on “**Python for Everybody**” course during Winter Training Program in the month of November 2018, SPMVV.
24. Served as a coordinator for internship opportunity by **HAPI KEY** start-up industry as a part of MoU on 20.09.2019.
25. Served as a coordinator for signing an MoU between **RAVANDS Plastech** and SPMVV on 28.08.2019.
26. Completed NPTEL Online Certification on “**DataBase Management Systems**” an 8 week course during july-september 2019 with a score of 79%.
27. Attended several online faculty development trainings and webinar sessions during lock down period.
28. Participated in 4 one day workshops conducted by IIT Bombay.