

Dr. Bhagya Lakshmi Polavarapu



Designation : Assistant Professor
E-Mail ID : bhagya@siddhartha.edu.in
Contact at : C142, Department of Computer Science and Engineering,
Siddhartha Academy of Higher Education
(Deemed to be University)
Kanuru, Vijayawada, Andhra Pradesh – 520 007.

Education

Ph.D (Computer Science and Engineering)

2026, SRM University-AP, Andhra Pradesh, India.

M.Tech (Computer Science and Engineering)

2020, KLEF Deemed to be University, Vaddeswaram, Vijayawada.

B.Tech (Information Technology)

2018, Andhra Loyola Institute of Engineering and Technology, Vijayawada.

Experience

Period	Designation	Institution / Organization	Key Responsibilities
March 2026 -Till Date	Assistant Professor	Siddhartha Academy of Higher Education (Deemed to be University), Vijayawada.	Delivering CSE courses, Supervising projects, Research publications, Course Coordinator.
Feb 2022- Feb 2026	Research Scholar	SRM University-AP	Full-Time Researcher
Oct 2020 – Feb 2022	Assistant Professor	SRK Institute of Technology	Delivered CSE courses, Placement Coordinator, CCNA Instructor.

Research Interests

Broad Area of Research :

AI for Healthcare Applications, Image Processing, Fine-tuning Large Language Models (LLMs).

Honors and Awards

- Qualified in **APSET 2019** in Computer Science and Applications.
- Cisco Networking Academy **CCNA Instructor** Training.
- Awarded Best Paper in Research Day at SRM University AP.

Courses Taught

- Operating Systems
- Computer Networks
- Machine Learning

Research Profile

Publications

The recent publications and research contributions can be viewed from the following URLs

Google Scholar	https://scholar.google.com/citations?hl=en&user=Q4MycCcAAAAJ
Scopus	https://www.scopus.com/authid/detail.uri?authorId=58310440200
ORCID	https://orcid.org/0009-0001-4385-9195
LinkedIn	https://www.linkedin.com/in/dr-bhagya-lakshmi-polavarapu-524438143/

Patents

SNo	Title	Publication Number	Status
1	System and method for multimodal prediction of autism spectrum disorder using vision transformers	202341066829	Granted (595429)
2	A system and Method for secure transmission of multimodal data for autism spectrum disorder	202441010645	Published
3	System to predict autism spectrum disorder using involutinal neural network and machine learning.	202441050470	Received FER
4	System and method for predicting ASD using hybrid metaheuristic optimization of CNNs with Structural magnetic resonance imaging.	202441101672	Submitted FER

5	System and method for multimodal prediction of autism spectrum disorder using vision transformers.	202541044737	Published
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Professional Service / Reviewer

- Reviewer in Scientific Reports, Springer.
- Reviewer in Discover Artificial Intelligence, Springer.
- Reviewer in Signal Processing.
- Reviewer in Health Science Reports, Wiley.

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	10
International / National Level Seminars	-
International / National Level Conferences	03/0
Workshops	2
Instructor Led / Self-Paced Courses	-
Webinars	3

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