



ANNAMACHARYA UNIVERSITY

EXCELLENCE IN EDUCATION; SERVICE TO SOCIETY
(ESTD, UNDER AP PRIVATE UNIVERSITIES (ESTABLISHMENT AND REGULATION) ACT, 2016)
Rajampet, Annamayya District, A.P – 516126, INDIA

Faculty Profile

Basic Information:

NAME : P.SWATHI
DESIGNATION : ASSISTANT PROFESSOR
DEPARTMENT: AI & ML
DATE OF BIRTH : 14.06.1984
DATE OF JOINING : 10.01.2008
EMAIL ID : 1260swathi@gmail.com
EMPLOYEE ID: :122



Academic Profile:

Qualification	Name of the Board/University	YEAR
[Ph. D]	ANNAMACHARYA UNIVERSITY	Admitted year [2024]
M. Tech	JNTUA	2015
MCA	JNTUH	2007
BSC COMPUTERS	S.V. UNIVERSITY	2004
INTERMEDIATE	BOARD OF INTERMEDIATE EDUCATION	2002
10TH CLASS	BOARD OF SECONDARY EDUCATION	1999

Research Details:

1. Areas of Specialization	:	MANETs using Machine Learning and Deep Learning Approaches
2. No. of Publications	:	18
3. Awards Received	:	LONG LASTING
4. Research Guidance		
	No. of PhD Guided:	NIL
	No. of MTech. Guided:	NIL
	No. of B.Tech. Guided:	10 BATCHES
5. Details of Professional Membership:		IFERP



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6. Subjects Taught	:	COMPUTER NETWORKS OBJECT ORIENTED ANALYSIS AND DESIGN WITH UML SOFTWARE ENGINEERING ADVANCED COMPUTER NETWORKS ADVANCED DATA STRUCTURES OPERATING SYSTEMS LINUX WEB TECHNOLOGIES OPERATIONS RESEARCH PROBABILITY AND STATISTICS E COMMERSE DESIGN AND ANALYSIS OF ALGORITHMS DISTRUBUTED SYSTEMS DISTRIBUTED DATA BASES DATA BASE MANAGEMENT SYSTEMS PROGRAMMING IN C C++ DATA STRUCTURES
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Publication Details:

Title	Publisher	Published Year
Online Payment Fraud Detection Using Machine Learning	Springer	2026
Optimizing Air Quality Predictions with Hybrid LSTM-QML Models for Urban Sustainability	IEEE	2026
Scalable convolutional neural network model for early pneumonia detection	AIP PUBLICATIONS	2026
Intelligent detection of behavior-based intranet attacks using machine learning techniques	AIP PUBLICATIONS	2026
Innovative web framework for cervical cancer detection using machine learning	AIP PUBLICATIONS	2026
Sustainable and Explainable AI-Based Network Traffic Classification and Anomaly Detection	IEEE	2026
Integrated LSTM-Linear Regression Framework for Smart Agriculture with Crop Yield Forecasting and Pest Detection	IEEE	2025
Towards Real-Time Lung Cancer Diagnosis: A Deep Learning Approach with Optimized CNN for CT Scan Analysis	IEEE	2025
Hybrid Deep Learning Algorithm to Predict Leaf Diseases for Botanical Sentinals	Springer International Publishing AG	2025
Optimizing Job Shop Scheduling with Dynamic Arrivals using the Deep SOMs Approach	IEEE	2025
Beam Phenomenon in Dual-Polarized Antennas Using MIMO	Springer Singapore	2025
AN ENHANCED WOELFEL IMAGE NOISE FILTER	Springer Nature Switzerland AG	2024
Vehicle License Plate Detection OpenCV and Tesseract OCR	Dogo Rangsang Research Society	2023
BREAKTHROUGHS IN WIRELESS TECHNOLOGY AND SECURITY MEASURES	Indian Institution of Industrial Engineering (IIIE)	2023
Empowering Women: harnessing Social Media to Combat stalking in indian cities	Global E Smart Technologies	2022
Enhancement of Degraded Images via Fuzy Intensification Model	Springer International Publishing AG	2021
A Speculative Model to Explore Data Hub and Quality of Service in IAAS Cloud Computing Systems	'Blue Eyes Intelligence Engineering and Sciences Publication'	2020



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Mobility Pattern Probing of Mobile Users using call data record dataset	'Blue Eyes Intelligence Engineering and Sciences Publication'	2019
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Patent Details:

Title of Patent	Submitted/Published/Awarded
DEEP LEARNING APPROACHES FOR BANDGAP AND EFFICIENCY ESTIMATION IN PEROVSKITE SOLAR CELLS	PUBLISHED(03/05/2024)
SYSTEM AND METHOD FOR REMOTE HEALTH MONITORING USING IOT DRIVEN USING MACHINE LEARNING ALGORITHMS	PUBLISHED(08/03/2024)