



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: Dr.Swarna Surekha
DESIGNATION: Assistant Professor
DEPARTMENT: Computer Science and Engineering
DATE OF JOINING: 02-06-2022
EMAIL ID: swarnas.623@gmail.com
surekhas@aitsrajampet.ac.in
EMPLOYEE ID : 1630



Basic Information:

NAME : Dr.Swarna Surekha
DESIGNATION : Assistant Professor
DEPARTMENT : Computer Science and Engineering
DATE OF JOINING : 02-06-2022
EMAIL ID : swarnas.623@gmail.com
surekhas@aitsrajampet.ac.in
EMPLOYEE ID : 1630

Academic Profile:

Qualification	Name of the Board/University	YEAR
Ph.D	JS University, Shikohabad, Agra	2024
M.Tech.	JNTU Anantapur	2012
B.Tech	Sri Venkateswara University College of Engineering (On Campus), Tirupati.A.P.	2009



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Intermediate	Board of Intermediate Education	2005
S.S.C	Board of Secondary Education	2003

Research Details:

1. Areas of Specialization	:	COMPUTER SCIENCE AND ENGINEERING
2. No. of Publications	:	22
3. Awards Received	:	12
4. Research Guidance		
	No. of PhD Guided:	01
	No. of M.Tech. Guided:	N/A
	No. of B.Tech. Guided:	23
5. Details of Professional Membership:		01
6. Subjects Taught	:	1. Natural Language Processing 2. Artificial Neural Networks 3. Artificial Intelligence 4. Computer Graphics 5. Software Engineering 6. Operating Systems 7. Computer Networks 8. Compiler Design 9. Finite Automata and Compiler Design 10. Principles of Artificial Intelligence 11. Database Management Systems

Publication Details:

Title	Publisher	Published Year
NATURAL LANGUAGE PROCESSING	PENCILBITZ	2025
MASTERING DEEP LEARNING ARCHITECTURE	PENCILBITZ	2025
AI-POWERED FINANCIAL CONSULTANT FOR SECURE AND INTELLIGENT PERSONAL FINANCE MANAGEMENT	ICoECIT	2025
PAPVISION: NEXTGEN DEEP LEARNING DIAGNOSIS OF CERVICAL CANCER FROM PAPANICOLAOU SMEAR TEST	ICCDS	2025



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MULTI-AGENT REINFORCEMENT LEARNING OPTIMIZING CLOUD RESOURCE SCHEDULING EFFICIENTLY	ICONSTEM	2025
LEVERAGING FEATURE SELECTION AND DEEP LEARNING FOR ROBUST PHISHING WEBSITE CLASSIFICATION	2026 INTERNATIONAL CONFERENCE ON SMART FUTURISTIC TECHNOLOGY	2025
AUTOMATED BRAIN TUMOR DETECTION AND CLASSIFICATION FROM MRI SCANS USING DEEP LEARNING	2026 INTERNATIONAL CONFERENCE ON SMART FUTURISTIC TECHNOLOGY	2025
COMPUTER VISION WITH DEEP LEARNING IMAGE RECOGNITION AND BEYOND	BOOK BYTES	2025
CYBER SECURITY	ALPHA INTERNATIONAL PUBLICATION	2025
IOT AND MACHINE LEARNING	SCIENTIFIC INTERNATIONAL PUBLISHING HOUSE	2025
RESEARCH METHODOLOGYRESEARCH METHODOLOGY METHODS, TECHNIQUES AND APPLICATIONS	SCIENTIFIC INTERNATIONAL PUBLISHING HOUSE	2025
INTEGRATION OF IOT AND SMART SENSORS IN SOLAR MOBILITY FOR ENERGY EFFICIENCY AND PREDICTIVE MAINTENANCE	RADEMICS RESEARCH INSTITUTE	2025
ADVANCING ANALOG DESIGN: STRATEGIES AND TECHNIQUES FOR EMERGING TECHNOLOGY PLATFORMS	ICTACT JOURNAL ON MICROELECTRONICS	2024
AIML- BASED DATA ANALYTICS TO COST STRATEGY IN SIMULATING THE LOGISTICS BUSINESS	IGI GLOBAL SCIENTIFIC PUBLISHING	2024
DATA-DRIVEN DECISION-MAKING IN HEALTHCARE MANAGEMENT: THE ROLE OF COMPUTER SCIENCE	AFRICAN JOURNAL OF BIOLOGICAL SCIENCES	2024
MATHEMATICAL MODELING OF CHEMICAL PROCESSES IN ANIMAL PHYSIOLOGY: A COMPUTATIONAL APPROACH	BPAS JOURNALS	2024
FEATURES OF THE SECURITY SYSTEM DEVELOPMENT OF A COMPUTER TELECOMMUNICATION NETWORK	BIOSCAN	2024



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ONLINE TRANSACTION FRAUD DETECTION SYSTEM	IJARESM	2023
PBC - PADDY CROP BLAST DISEASE PREDICTION USING SUPERIOR MACHINE LEARNING ALGORITHMS	SHABDBOOKS	2022
APPLICATIONS AND THE FUTURE OF QUANTUM COMPUTING	ZKG INTERNATIONALS	2022
FUTURE OF QUANTUM COMPUTING	IJOAASE	2020
THE FUTURE OF QUANTUM COMPUTING	IJTE	2021



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Patent Details:

S.No	Title of Patent	Submitted/Published/Awarded
1	AUTOMATED API SYNTHESIS SYSTEM USING NATURAL LANGUAGE INPUTS	SUBMITTED
2	SMART WEARABLE HEALTH MONITORING DEVICE USING EDGE COMPUTING	SUBMITTED
3	CLOUD COMPUTING SERVER MACHINE FOR DATA ANALYTICS	PUBLISHED