



# 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 : AI&ML  
DATE OF JOINING : 02-06-2022  
EMAIL ID : [swarnas.623@gmail.com](mailto:swarnas.623@gmail.com)  
[surekhas@aitsrajampet.ac.in](mailto: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
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	:	15
3. Awards Received	:	3
4. Research Guidance		
	No. of PhD Guided:	N/A
	No. of M.Tech. Guided:	N/A
	No. of B.Tech. Guided:	17
5. Details of Professional Membership:		Not Applicable



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6. Subjects Taught :	<ol style="list-style-type: none"><li>1. Natural Language Processing</li><li>2. Artificial Neural Networks</li><li>3. Artificial Intelligence</li><li>4. Computer Graphics</li><li>5. Software Engineering</li><li>6. Operating Systems</li><li>7. Computer Networks</li><li>8. Compiler Design</li><li>9. Finite Automata and Compiler Design</li></ol>
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## Publication Details:

Title	Publisher	Published Year
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



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FEATURES OF THE SECURITY SYSTEM DEVELOPMENT OF A COMPUTER TELECOMMUNICATION NETWORK	BIOSCAN	2024
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	CLOUD COMPUTING SERVER MACHINE FOR DATA ANALYTICS	Published