

RESUME

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Research Interests

Image Processing, Visual Sensor Networks.

Educational Qualification

- M.E, Computer Science and Engineering, SCAD College of Engineering & Technology, Tirunelveli, First Class - 8.24 CGPA, 2017.
- B.Tech, Information Technology, PSN College of Engineering & Technology, Tirunelveli, First Class - 7.87 CGPA, 2012.

Professional Experience

Designation	Institution/Organization	Period	Nature of Duties
Assistant Professor	National Engineering College, Kovilpatti.	21.07.2022 – Till Date (2 year 5 months)	Teaching
Assistant Professor	Nellai College of Engineering, Tirunelveli.	03.09.2021– 16.06.2022 (9 months 13 days)	Teaching

No. of years of Experience: 03 year 3 months

List of International Conferences

Sl. No	Title of paper	Conference detail	DOI	Date
1.	WRISTVIEW: Augmented Reality and Generative AI Integration for Enhanced Online Shopping Experiences	International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC 2024)	DOI: 10.1109/I-SMAC61858.2024.10714789	October 2024
2.	MedConnect - A Comprehensive AI-driven Platform for Seamless Patient care and Optimization of Medical Services		DOI: 10.1109/I-SMAC61858.2024.10714762	
3.	Enhancing Pet Care with IoT: The Development of a Smart Pet Feeder	2nd International Conference on Intelligent Cyber Physical Systems and Internet of Things (ICoICI 2024)	DOI:10.1109/ICoICI62503.2024.10696510	August 2024
4.	Resspar AI-Driven Resume Parsing and Recruitment System Using NLP and Generative AI		DOI:10.1109/ICoICI62503.2024.10696451	
5.	ARtViz: Enhancing Art Books with Marker-Based Augmented Reality for 3D Visualization using Vuforia and Unity	5th International Conference on Image Processing and Capsule Networks (ICIPCN)	DOI: 10.1109/ICIPCN63822.2024.00078	July 2024

6.	Revolutionizing Rural Healthcare in India: AI-Powered Chatbots for Affordable Symptom Analysis and Medical Guidance	7th International Conference on Inventive Computation Technologies, ICICT-2024, Lalitpur, Nepal.	DOI: 10.1109/ICICT60155.2024.10544758	April 2024
7.	A Robust Machine Learning Framework for Early Prediction of Parkinson's Disease		DOI: 10.1109/ICITIT61487.2024.10580440	March 2024
8.	Blockchain-Enabled Pharmacy Supply Chain Management: Ensuring Transparency and Efficiency	International Conference on Sustainable Communication Networks and Application ICSCNA 2023, Organized by Bharath Niketan Engineering College, Theni, TamilNadu, India.	DOI: 10.1109/ICSCNA58489.2023.10370104	November 2023
9.	An Investigation into the Implementation and Effectiveness of an IoT-based Smart Parking System	7th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) -I-SMAC 2023 held at Purwanchal Campus, Institute of Engineering, Tribhuvan University, Nepal.	DOI: 10.1109/I-SMAC58438.2023.10290185	October 2023
10.	Specialization Analysis For Career Choice Using Skill Test	International Conference on Advanced Materials and Technologies for Industry 4.0 – “ICAMT 4.0” organized by Department Of Mechanical Engineering, Bannari Amman Institute of Technology, Sathyamangalam, Erode.		23 rd March 2023 & 24 th March 2023
11.	Plagiarism Checker For Online Assessment			
12.	AI – Stock Trading BOT	6 th International Conference on Emerging Trends in Engineering, Management and Applications in PET Engineering College, Vallioor.		10 th June 2022
13.	An Enhanced Image Segmentation Based on Tree Structure and Region Merging	International Conference in PET Engineering College, Vallioor.		31 st March 2017

List of International Journals

Sl. No	Authors	Paper Title	Journal Detail	DOI / Page No/ Volume	Year of Publication
1.	Ambigeswari R, Aruna Ramalakshmi P, Guru Gayathri V, Navedha Evanjalini R	Plagiarism Checker for Online Assessment https://journal.ijprse.com/index.php/ijprse/article/view/856	International Journal of Progressive Research in Science and Engineering (IJPRSE)	Volume: 4 Issue: 5 (Pg No: 175-180)	May 2023
2.	Ms.R.Navedha Evanjalini, Mr.Petchimuthu.	Tree Structured Image Segmentation Based On Super Pixel Best Research Paper Award https://www.ijarmate.com/index.php?option=com_login&task=download_volume_doc&file_name=v3s10march2017universitysel&foldertype=conference&id=705	International Journal of Advanced Research in Management, Architecture, Technology and Engineering (IJARMATE)	Volume III, Special Issue X	March 2017

Faculty Development Program Attended

Sl. No	Title	Institution	Date
1.	Recent Advancements in AI & IOT - Industry Perspective	Periyar Maniammai Institute of Science and Technology	25.11.2024 to 30.11.2024
2.	Mentoring and Counselling Skills for Teachers	National Institute of Technical Teachers Training and Research, Chennai	26.08.2024 to 30.08.2024
3.	Cyber-Attacks and Defense	C-DAC, NOIDA under Cyber Gyan Project, supported by the Ministry of Electronics and Information Technology, Government of India.	05.08.2024 to 09.08.2024
4.	Artificial Intelligence and Cyber Security in Education & Research	TECNIA Institute of Advanced Studies, Delhi.	15.07.2024 to 20.07.2024
5.	Deep Learning and IoT Technologies in Precision Healthcare	Kongu Engineering College, Erode (Online)	16.08.2024 & 17.08.2024
6.	Design Thinking - A Primer - NPTEL FDP (12 week course)	IIT Madras	July - August 2023
7.	CS3352 - Foundations of Data Science	Anna University, Regional Campus, Tirunelveli.	21st August to 26th August 2023
8.	Full Stack Development	Kamaraj College of Engineering and Technology, Viruthunagar. (Online)	11 th July to 15 th July 2023
9.	Realizing the benefits of Academic Research	Sree Sakthi Engineering College, Coimbatore. (Online)	10 th July to 15 th July 2023
10.	Recent Trends in Immersive Technology	Government College of Technology, Coimbatore. (Online)	05 th June to 17 th June 2023
11.	Python Programming – A Practical Approach	E & ICT Academy, IIT Kanpur. (Online)	26 th December 2022
12.	BlockChain Technology - Applications, Issues and Challenges	Sri Venkateswara College Of Engineering And Technology (Autonomous), R.V.S Nagar, Chittoor. (Online)	18 th April to 22 nd April 2022

List of National Conferences

Sl. No	Title of paper	Conference detail	Date
1.	Tree Structured Image Segmentation Based On Super Pixel	National Conference in Universal College of Engineering And Technology, Vallioor.	28 th March 2017
2.	An Enhanced Image Segmentation Based on Tree Structure and Region Merging	2 nd National Conference in VV College of Engineering, Tisaiyanvilai.	17 th March 2017
3.	Web Based Application for GIS	National Level Technical Conference at Mohamed Sathak Engineering College, Ramanathapuram.	03 rd April 2011

Inplant / Internship

Sl. No	Institution	Area	Course Detail	Period
1.	Vee Eee Technologies Solution Pvt. Ltd., Chennai.	SOFTWARE	Inplant Training	14 th July to 19 th July 2011

Industry Know How Attended

Sl. No	Title	Institution	Date
1.	Industrial Oriented Course on Oracle Technologies	Oracle APEX	June 2023 to September 2023
2.	Designing and Modelling of IoT, AI & ML Systems	AICTE, ATAL Academy, Arm Education and STMicroelectronics	01 st August 2022 to 05 th August 2022

Workshops / Webinars Attended

Sl. No	Title	Institution	Date
1.	Side Channel Attacks and Blockchain Technology	National Institute of Technology, Trichy	03.12.2024 to 07.12.2024
2.	RESEARCH & LIFE -A Comprehensive talk on Research Methodology & Life Journey of a Researcher	ILC Academy. (Online)	10.08.2024
3.	Financial Empowerment and Career Opportunities in Securities Market	Government Engineering College, Palanpur, Gujarat and Association of Mutual Funds in India (AMFI)	31st January 2024
4.	VLSI to System Design: Silicon to End Application Approach	AICTE, ATAL Academy, Arm Education and STMicroelectronics	31st July 2023 to 04th August 2023
5.	Antenna Design for Wireless Applications	National Workshop at Kalasalingam University, Virudhunagar	31 st March 2017
6.	Science and Technology Capacity Building for Industrial Needs	Sponsored by Tamilnadu State Council for Science and Technology, Chennai and Organized by PSN College of Engineering and Technology, Tirunelveli.	02 nd January 2012 to 06 th January 2012
7.	Recent Research Trends in Networks and Web Applications	National Level Workshop in SUN College of Engineering and Technology, Erachakulam.	19 th August 2011

Seminars Attended

Sl. No	Title	Institution	Date
1.	Sustainable Development Food & Nutritional Security for Zero Hunger	Excel Engineering College, Komarapalayam	23rd September 2023
2.	First Aid in the Digital World	Excel Engineering College, Komarapalayam	9th September 2023
3.	Knowledge Engineering and Knowledge Based Systems	National Level Seminar in Kalasalingam University, Krishnankoil.	17 th February 2012

Symposium Attended

Sl. No	Title	Institution	Date
1.	Improving the security of mobile access to remote personal computers	National Level Technical Symposium at National College of Engineering, Tirunelveli.	11 th October 2011
2.	Security Issues in Biomedical Wireless Sensor Networks	National Level Technical Symposium at Marthandam College of Engineering & Technology, Nagercoil.	02 nd & 03 rd September 2011
3.	Web Based application for Real Time GIS	11 th National Level Technical Symposium at Dr. Sivanthi Aditanar College of Engineering, Tiruchendur.	04 th February 2011

Certifications

Sl. No	Title	Institution	Date
1.	Database Management System Part - 2	Infosys Springboard	27 th June 2024
2.	Master the Fundamentals and Advanced Concepts - DBMS	Scaler Topics	12 th May 2024
3.	Database Management System Part - 1	Infosys Springboard	10 th August 2023
4.	Building Levels of VR	Infosys Springboard	9 th August 2023
5.	Virtual Reality with Unity	Infosys Springboard	9 th August 2023
6.	Python for Data Science, Sololearn course	Sololearn	18 th June 2023
7.	Introduction to Augmented Reality and ARCore, Coursera	Coursera	02 nd May 2023
8.	Stochastic Approximation Algorithms – IARCS sponsored Instructional Course	National Engineering College, Kovilpatti.	27 th & 28 th April 2023
9.	Introduction to Internet of Things - NPTEL (12 week course)	IIT Kharagpur	January – April 2023
10.	Introduction to Python, Sololearn course	Sololearn	07 th January 2023
11.	Design Thinking Process - Short Term Course	NewGen IDEC, National Engineering College, Kovilpatti.	July 2022
12.	Object Oriented Programming using C++	Teknoturf Info Services Pvt.Ltd.,	24 th June 2009 to 15 th October 2009

Events Organized

Sl. No	Title	Duration of the Event	No. of Participants	Venue
1.	Event Committee for the TNSCST Sponsored Three days' workshop “Fostering Innovation among School Students through IoT Education”	17 th October to 19 th October 2024	60	NEC, Kovilpatti
2.	Conducted a Value Added Course on “Innovation in ARVR using Unity” for III Year CSE students of NEC.	February 2024 to March 2024	13	NEC, Kovilpatti
3.	Coordinator of “Industrial Oriented Course on Oracle Technologies - SQL, PL/SQL & Oracle APEX” for III Year CSE students of NEC .	June 2023 to September 2023	58	NEC, Kovilpatti
4.	Co-coordinator of two days Instructional Course on “Stochastic Approximation Algorithms” financially and technically sponsored by Indian Association for Research in Computing Science (IARCS), Bangalore.	27 th April 2023 and 28 th April 2023	30	NEC, Kovilpatti
5.	Conducted a Value Added Course on “Exploring Virtual Reality for Beginners” for II Year EEE, CSE and ECE students of NEC.	January 2023 to April 2023	16	NEC, Kovilpatti

Expert Lecture Delivered

Sl. No	Title	Venue	Date
1.	Conducted a “Placement Training session - DBMS” for Final Year students of Civil, organized by the Department of Civil.	Civil, NEC, Kovilpatti	21st & 22nd June 2024
2.	Delivered a lecture on the topic "Foundations of Data Science" organized by the Department of CSE.	CSE, NEC, Kovilpatti	16th March 2024
3.	Delivered a lecture for the Technical Workshop titled “Augmented Reality and Virtual Reality” at Inter college Technical Symposium CompoNEC’23, organized by CSE Association, Department of CSE.	CSE, NEC, Kovilpatti	23 rd March 2023

Courses Taught

Sl. No.	Name of the course	UG/PG
1.	Object Oriented Programming -EEE (19EE55C) (1)	UG
2.	Object Oriented Programming-CSE (19CS34C) (2)	UG
3.	Database Management Systems-CSE (19CS44C) (2)	UG
4.	Augmented Reality and Virtual Reality-CSE (19CS34E) (1)	UG
5.	Python for Data Science-CSE (19CS04L) (1)	UG
6.	Machine Learning-EEE (19CS17E) (1)	UG
7.	Data Science-CSE (19CS03E) (1)	UG
8.	Foundations of Object Oriented Programming-Civil (23CS02N) (1)	UG
9.	Problem Solving Techniques-ECE (23CS11C) (1)	UG

Specific Achievements if any

Sl. No	Title	Grade	Duration
1.	NPTEL Course - Design Thinking - A Primer (12 week course)	Elite	July - August 2023
2.	NPTEL Course - Introduction to Internet of Things (12 week course)	Elite + Silver	January – April 2023

- Appreciated by Dr. Gugan Thoppe (AP/CSA, IISc), Resource Person for the Instructional course “Stochastic Approximation Algorithms” sponsored by IARCS for the write up about the course during March 2023.

Other Responsibilities - NEC

- Tutor (2021-2025 Batch – 20 Students)
- Theory and Algorithms Focus Group - Member
- Project Guide – UG Students
- NBA – Criteria 5 Member (Faculty Information and Contributions)
- NAAC – Criteria 3 Member (Research, Innovations and Extensions)
- Anna University Affiliation, Department NewsLetter, Department Target.
- Staff In-charge for Industrial Course on Oracle Technologies- III year CSE.

Membership in Professional bodies:

Name of Society	Grade of Membership
International Association of Engineers (IAENG)	Member