

BIO DATA



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1. EDUCATIONAL QUALIFICATION:

Degree	Branch / Specialization	Institute/University	Year of Passing
B.Tech	Information Technology	Velammal College of Engineering ,Madurai, Anna University, Chennai.	April 2012
M.E	Computer Science and Engineering	K.L.N College of Information Technology, Sivagangai, Anna University, Chennai.	April 2015
Ph. D	Information and Communication Engineering	Anna University	Pursuing

2. PROFESSIONAL EXPERIENCE: (in chronological order)

S.No	Designation	Institution/Organization	Period	
			From	To
1	Assistant professor	Ramco Institute of Technology, Rajapalayam.	17.05.2023	Till Date
2	Assistant Professor	Mangayarkarasi College of Engineering, Madurai.	03.07.2019	31.03.2023

3. RESEARCH AREA: Deep Learning, federated Learning

4.JOURNAL PUBLICATIONS :

1. B. Revathi, **C. Usharani**, S. K. Keziah Elizabeth, N. P and D. Nithya, "Deep Learning Classification Techniques on Detecting Diabetic Retinopathy Dataset," 2024 International Conference on Inventive Computation Technologies (ICICT), Lalitpur, Nepal, 2024, pp. 663-668, doi:10.1109/ICICT60155.2024.10544960.

Updated as on 30.06.2024

2. **C.Usharani**, B.Revathi, A.Selvapandian, & S.K.Elizabeth, (2024). Lung Cancer Detection in CT Images Using Deep Learning Techniques: A Survey Review. EAI Endorsed Transactions on Pervasive Health and Technology, 10.

3. I. Anantraj, B. Umarani, C. Karpagavalli, **C.Usharani** and S. J. Lakshmi, "Quantum Computing's Double-Edged Sword Unravelling the Vulnerabilities in Quantum Key Distribution for Enhanced Network Security," 2023 International Conference on Next Generation Electronics (NEleX), Vellore, India, 2023, pp. 1-5, doi: 10.1109/NEleX59773.2023.10420896.

4. B.Revathi, **C.Usharani**, "Rainfall Prediction Using Machine Learning Classification Algorithms", International Journal of Creative Research Thoughts, Volume: 09, Issue No: 01, Jan 2021. (ISSN: 2320-2882 – IF 7.97).

5.CONFERENCE ATTENDED :

Sl.No	National / International	Title of the Paper	Name of the Conference	Venue	Year
1	National Conference	IOT Enabled Automated Effective incubator system with sub bag system for child caring	NCON'24	SRM Madurai College of Engineering and Technology	2024
2	International E-Conference	Automatic Detection of Covid 19 Lung infection in CT images	ICRACIA'21	Kumarasamy College of Engineering, Karur	2021
3	National Conference		SCAC'20	PSNA college of Engineering and Technology, Dindigul	2020
4	International Conference	Augmented Reality and deep learning with its application in medical diagnosis	ICITR'19	Karpagam College of Engineering, Coimbatore.	2019
5	International Conference	Optimized of energy and Message Overheads in WSN Using Grid Communication	ICIESMS'15	Vickram College of Engineering, Enathi	2015
6	International Conference	Analysis of Data mining Techniques,	ICETET,14	Pandian Saraswathi yadhav Engineering College,Sivagangai	2014
7	International Conference	Survey on Tree Clustered structured based Data aggregation Techniques in WSN.	ICDASDC'14	K.L.N. College of Information Technology, Sivagangai	2014

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6. FDP/ONLINE COURSES / WEBINARS/WORKSHOP ATTENDED:**6.1 List of FDP attended:**

Sl.No	Programme	Title	Venue	Date	Year
1.	Anna university sponsored FDP	Artificial Intelligence and Machine Learning	Kamaraj College of Engineering & Technology	17 th Feb to 22 nd Feb	2024
2.	Faculty Development Programme	Emerging Technologies in Computer Science	Easwari Engnnering College ,Chennai	22 nd Jan to 27 th Jan	2024
3	Faculty Development Programme	Deep Learning Techniques for Image Retrieval Applications	SRM Madurai Collge of Engineering & Technology	18 th Jan to 20 th Jan	2024
4	Faculty Development Programme	Fundamentals of cyber Security: Tools and Techniques	Vellore institute of Technology	11 th Dec to 15 th Dec	2023
5	Faculty Development Programme	IOT with Machine Learning	PVKK institute of Technology with Pantech E- Learning	27 th Nov to 2 nd Dec	2023
6	Faculty Development Programme	“Machine Learning in the age of AI: Algorithms, Models and Beyond”	KPR institute of Engineering & Technology	21 st Aug to 1 st Sep	2023
7	Faculty Development Programme	Artificial Intelligence,Machine Learning,Deep Learning	NIT,Warangal	26 th July to 30 th July	2023
8	<i>AICTE Recognized FDP</i>	Data Science using R	NITTTR, Chandigarh	17 th July to 21 st July	2023
9	Faculty Development Programme	Need for R&D Activities and Patent Publications.	Mangayarkarasi College of Engineering, Madurai.	25 th January	2020
10	Faculty development Programme	Operating System Design Case study	K.L.N. College of Information Technology, Sivagangai	06 th &07 th March	2014

6.2 List of Online Course Completed:

Sl.No	Title of Course	Platform/University	Date
1	Machine Learning Fundamentals	Infosys Springboard	Jan 08,2024
2	Network Basics	CISCO Networking Academy	Jan 06,2024
3	Introduction to Data Science	CISCO Networking Academy	Dec 30,2023
4	Concurrent and Distributing computing with python	Infosys Springboard	AUG 9,2023
5	Programming Using Python	Edx(MITX)	Aug 4,2023
6	NPTEL(Swayam Online Course Certification)	Fundamentals of Computer	Aug 31,2019

6.3 List of Webinar/seminar attended:

Sl.No	National / International	Title	Venue	Date	Year
1	Webinar	Introduction to IOT and its applications	Vaigai College of Engineering	Aug 4 th	2023
2	Webinar	IOT automation through open source tools	Vaigai College of Engineering	July 26 th	2023
3	Webinar	Red hat Linux Series	Mangayarkarasi college of Engineering	May 12 th	2020
4	Webinar	Cyber Security	Sri Eshwar College of Engineering	May 15 th	2020
5	Webinar	Artificial Intelligence-Foundation	Eswari Engineering College	May 16 th	2020
6	Webinar	Demystify the Cloud	Sri Eshwar College of Engineering	May 17 th	2020
7	Webinar	Block chain Basics	Sri Eshwar College of Engineering	May 18 th	2020
8	Webinar	Industry 4.0	Sri Eshwar College of Engineering	May 19 th	2020
9	Seminar	Internet of Things.	Mangayarkarasi College of Engineering, Madurai.	May 20 th	2020
10	Webinar	Expanding scope of Robotics	Sri Eshwar College of Engineering	May 21 st	2020

11	Webinar	How to Become a Full Stack Developer in Industry 4.0	Mangayarkarasi College of Engineering.	June 3 rd	2020
12	Webinar	Cyber Security and Data Protection	Mangayarkarasi College of Engineering.	July 13 th	2020

6.4 List of Workshop attended:

Sl.No	Programme	Title	Venue	Date	Year
1	Workshop	SPSS in Research	Star International Foundation for Research and Education	26 th Dec to 30 th Dec	2023
2	Workshop	Deep Learning in Various Research Domains	Mepco Schlenk Engg College, Sivakasi.	February 14 th & 15 th	2020
3	Workshop	Green Computing for Evergreen World	K.L.N. College of Information Technology, Sivagangai	30 th & 31 st January	2014

7.MEMBERSHIP IN PROFESSIONAL SOCIETIES:

1. International Association of Engineers (IAENG)
member number: 253446

8.AWARDS AND ACHIEVEMENTS:

1. Secured School first in SSLC and received best student award in 2008.
2. Secured Anna University **41st Rank** in M.E., Computer Science and Engineering for the Academic year 2014-2015.

