

RESUME

Ms.V.Veera Anusuya

Assistant Professor

Department of Computer Science and Engineering

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Research Interests

Data Mining, Data Analytics, Image Processing, Artificial Intelligence and Data Science

Educational Qualification

Degree	Branch	Name of the Institution/University	Year of Passing	Class/Division
PhD	ICE	Anna University, Chennai	Pursuing	-
M.E	CSE	Thiagarajar College of Engineering, Madurai	2015	First Class with Distinction
B.E	CSE	Kamaraj College of Engineering and Technology, Virudhunagar.	2013	First Class

Courses Taught:

UG: Problem Solving Techniques, Data Structures, Essentials of Machine Learning, Application of development using Firebase, Machine Learning, Constitution of India, Computer Programming, C Programming Applications (Volume III), Design and Analysis of Algorithms, Deep Learning, Machine Learning(R2023), Reinforcement Learning, Product Development Laboratory.

PG: Data Science

Professional Experience

Designation	Institution/Organization	Period	Nature of Duties
Assistant Professor(SG)	National Engineering College, Kovilpatti	01-04-2025 to present	Delivering lectures, seminars, and laboratory sessions in specialized engineering disciplines.
Assistant Professor	National Engineering College, Kovilpatti	07-04-2022 to 28-04-2025	Teaching, providing guidance and Supervision to Engineering graduate students.
Assistant Professor	Sri Vidya College of Engineering and Technology, Virudhunagar	03-06-2019 to 06-04-2022	Teaching a requisite number of classes to Engineering graduate students.

No. of years of Experience: 5 years 10 months

List of SCI Journal Publication

S. No	Name of the Authors	Title of Paper	Name of Journal	P. No & Vol	Year of publication	IF
1	Ms.V. Veera Anusuya, Dr.V.Gomathi	An Efficient Technique for Disease prediction using Enhanced Machine Learning Algorithms for Categorical Medical Dataset	Information Technology and Control	Vol 50 No. 1 pp. No 102 - 122	2021	2.0

List of Scopus Index Journal Publication

S.No	Name of the Faculty	Title of Paper	Name of the Conference	Year of publication
1	Veera Anusuya V	Revolutionizing Breast Cancer Detection: Leveraging EfficientNet B3 for Accuracy and Scalability	International Conference on Electronics and Renewable Systems	April 2025
2	Veera Anusuya V	Image to text conversion using Deep Learning Algorithms: Survey	International Conference on Advanced Computing and Communication Systems	October 2024
3	Veera Anusuya V	Image Captioning based on Encoder Decoder Architecture	International Conference on Intelligent Techniques in Control, Optimization and Signal Processing	May 2024
4	V.Veera Anusuya	Smart Entry System for College Using IoT and RFID	International Conference on Energy, Materials and Communication Engineering (ICEMCE)	Feb 2024
5	V.Veera Anusuya	Underwater Object Prediction using Sonar Waves	International Research Journal on Advanced Engineering Hub	2024
6	V.Veera Anusuya, Dr.V.Gomathi	Framework for advanced Weather Forecasting Techniques using DMaaS in Cloud	International Conference on Current Trends towards Converging Technologies	2018
7	V.Veera Anusuya, Dr.V.Gomathi	A Survey on Distance Measure of Supervised and Unsupervised learning: Categorical Data	International Conference on Current Trends towards Converging Technologies	2018
8	Sridevi S, VeeraAnusuyaV, Maha Lakshmi	Prediction of Time Series using SVM and ARMAX in International Journal of Applied Engineering Research	International Conference on Intelligent systems and control	2015
9	V.Veera Anusuya	Effective image retrieval based on content by integrating wavelets with clustering	International Conference on Intelligent systems and control	2015

Ongoing Project

S.No	Name of Project	Role	Duration
1	Aruna Cardiac Care Mobile App Development	AI Team Leader	From 14-09-2024 to Present

List of International Conference Attended

S.No	Title of Paper	Conference Detail	Date
1	Revolutionizing Breast Cancer Detection:Leveraging EfficientNetB3 for Accuracy and Scalability	International Conference on Electronics and Renewable Systems organized by Sri Eshwar College of Enginnering, Chennai	11.02.2025 - 13.02.2025
2	Image to Text Conversion using Deep Learning Algorithms : Survey	International Conference on Advanced Computing and Communication Systems (ICACCS)	14.3.2024 & 15.3.2024
3	Image Caption Generation Based on Encoder Decoder Architecture	International Conference on Intelligent Techniques in Control, Optimization and Signal Processing	14.3.2024 & 16.3.2024
4	Underwater Object Prediction Using Sonar Waves	International Conference on recent trends in Management, Engineering and Technology - ICMET 2023	22.12.2023& 23.12.2023
5	Smart Entry System for college using IoT and RFID	International Conference on Energy, Materials and Communication Engineering – “ICEMCE” ,organized by Department of Electrical Engineering and Commuination Engineering, Thiagarajar College of Engineering, Madurai.	14.12.2023
6	Muson - Emotion Based Music Recommended System	International Conference on Advanced Materials and Technology for Industry 4.0 – “ICAMT 4.0” organized by Department of Mechanical Engineering, Bannari Amman Institute of Technology, Sathyamangalam, Erode.	23-03-2023 & 24-03-2023
7	Automated Canteen Management System	International Conference on Advanced Materials and Technology for Industry 4.0 – “ICAMT 4.0” organized by Department of Mechanical Engineering, Bannari Amman Institute of Technology, Sathyamangalam, Erode.	23-03-2023 & 24-03-2023

Faculty Development Program Attended

S.No	Topic	Program Detail	Date
1	Medical Signal and Image Processing in Healthcare Services(ATAL FDP)	Organized by AMC Engineering College, Bengaluru.	17.02.2025 to 22-02-2025
2	Generative and ethical AI: Techniques and Applications with hands-on	Organized by National Institute of Technology Tiruchirappalli	20.01.2025 to 25-02-2025
3	Embedded systems for automated real time projects	Organized by Dept. of AI&DS, National Engineering College	10.1.2025
4	FDP on Innovative Teaching Strategies with AI and Digital Tools”	Organized by Dept. of Research & Publications, A2Z Edu-ScaleUp	30-12-2024
5	FDP on Deep Learning	Organized by SkillDzire in collaboration with AICTE	01-09-2024 to 01-10-2024

6	Deep Learning - An Industrial Approach and hands on practice	Conducted by AI&DS Department, National Engineering College, Kovilpatti	16.08.2024 to 17.08.2024
7	Building Advanced Data Analytics Applications With Cloud	Edunet Foundation (AICTE Sponsored 5 days Training Programme)	08-01-2024 to 12-01-2024
8	Compiler Design	National Engineering College, Kovilpatti	31-07-2023 to 04-08-2023
9	Python Programming – A Practical Approach	E & ICT Academy, IIT Kanpur	26-12-2022
10	Program on Data Structures	Velammal Engineering College	25-05-2020 to 29-05-2020
11	Artificial Intelligence and Deep Learning	National Engineering College(Conducted Bennett university)	28-12-2018 to 30-12-2018
12	Big Data Analytics	Kongu Engineering College (DST Sponsored 10 days Training Programme)	06-06-2016 to 17-06-2016

Project Proposal Submitted

S.No	Topic	Submitted under the Institution	Submitted on
1	AI based Customized time slot Delivery of Articles/Parcels	National Engineering College-SIH	Sep 2024
2	Student Innovation- Robots and Drones	National Engineering College-SIH	Sep 2024
3	Biofuel from Organic Waste	Startup TN - Waste into Wealth	16.05.2024
4	Budget Friendly Biofuel and Fertilizer: Shaping a sustainable Future	Startup TN - Waste into Wealth	17.05.2024
5	Edible Bioplastic from banana peel	Startup TN - Waste into Wealth	16.5.2024
6	Smart Entry System for College Using IoT and RFID	MSME Innovation Championship scheme	09-08-2023
7	Hydro - Automated Elevation : A Metrologically Responsive Rooftop Unveiling System	New Generation Innovation and Entrepreneurship Development Centre, National Engineering College	26-09-2023
8	Smart Irrigation Using RF Module	Tamilnadu State Council for Science and Technology(TNSCST)	09-10-2023

Workshop Attended

S. No	Topic	Institution	Course Detail	Date
1	AI/ML FOR GEODATA ANALYSIS	IIRS, ISRO-Dehradun	IIRS EDUSAT Outreach 144 th IIRS Outreach Programme organized by IIRS, ISRO-Dehradun	19.08.2024 to 23.08.2024
1.	Writing proposal for Funded Project	Ethiraj College for Women, Chennai	National Workshop Conducted by Global Institute of Statistical Solutions(GISS)	14-04-2024
2	Transfer Learning for Deployable AI: Techniques and Applications	Indian Institute of Information and Technology, Tiruchirappalli	SERB sponsored National Workshop	11.12.2023 to 15.12.2023
3	Question Paper Setting	National Engineering College	Workshop delivered by Dr.P.Jeyarekha(Head & Prof.), BMS College of Engineering, Bangalore	27-11-2023 & 28-11-2023
4	Cyber Security	Thiagarajar College of Engineering	TEQIP sponsored workshop	26-03-2014

5	BugDeBug	Mepco Schlenck Engineering College	Software Testing Workshop	17-09-2011
6	Entrepreneurship Development Programme	Kamaraj College of Engineering and Technology	Conducted by Boopathi Educational & Social Trust	11-08-2010 & 12-08-2010
7	Fundamentals of Telecom	Bharat Sanchar Nigam Limited, Virudhunagar	Inplant Training	06-06-2011 to 10-06-2011

Industry Know How Attended

S.No	Topic	Institution	Date
1	Python Programming	Infosys Springboard	Aug 28 - Sep 03, 2024
2	IBM Virtual Faculty Buildathon (Data Analytics)	IBM Smart Internz	24-7-2023 to 04-08-2023

Courses Delivered

S.No	Title	Event Type	Duration of the Program	Number of Participants
1	3 rd State level PYWEEK – A pygame Contest	Programming Contest	11.07.2022 to 18.07.2022	110
2	4 th State level PYWEEK – A pygame Contest	Programming Contest	16.06.2023 to 24.06.2023	343
3	5 th State level PYWEEK – A pygame Contest	Programming Contest	22.05.2024 to 29.05.2024	149

Technical Events /Courses/FDP /Seminar Organized

S.No	Title	Role	Duration	No of Participants
FDP COORDINATOR				
1	Deep Learning - An Industrial Approach and hands on practice	Staff Coordinator	16.08.2024 to 17.08.2024	100
SEMINAR COORDINATOR				
1	Blockchain-An Introduction of Smart Security with applications	Staff Coordinator	27.09.2024	114
VALUE ADDED COURSE				
1	BlockChain and Smart Security	Course Coordinator	August – November 2023	15
2	Deep Learning - An Industrial Approach and hands on practice	Staff Coordinator	16.08.2024 to 17.08.2024	89
3	R programming	Course Coordinator	30.12.2024 to 03.01.2025	66
TECHNICAL EVENT				
1	COMPONEC (Inter College)	Staff Coordinator	23.03.2023 to 24.03.2023	356
2	2nd NEC Startup Entrepreneur Summit (NECSSES) - 2024	Reception Committee Convener	22.08.2024 to 24.08.2024	

Completion of Mini Project

S.No	Project Topic	Duration
1	IOT-Based Accident Detection and Rescue System	Jan - May 2023
2	Smart Entry System for college using IOT and RFID	Jan - May 2023

Short Term Courses/Seminar/Webinar Attended

S.No	Topic	Institution	Duration
1	Python Foundation Certification	Infosys Springboard	August 29, 2024
2	Basics of Python	Infosys Springboard	August 28, 2024
3	Programming Fundamentals using Python - Part 1	Infosys Springboard	September 19, 2024
4	Programming Fundamentals using Python - Part 2	Infosys Springboard	September 28, 2024
5	Core Training at Data Structures and Algorithms	NEC Conducted by Dr.Meghana, IITM Chennai	17.06.2024
6	Data Science Boot Camp	Offered by Learn Square Technologies	12.06.2024 to 14.06.2024
7	Infosys SB Expert Sessions (Data Structures)	Infosys Springboard	24.06.2024 to 28.06.2024
8	Instructional Design and Delivery Systems	Conducted by NITTTTR, Chennai	16.05.2024 to 18.05.2024
9	Digital and AI Tools in Education	Dynamic Minds Group(Google for Education Partner)	14-4-2024
10	Digital and AI Tools in Education	Dynamic Minds Group(Google for Education Partner)	5-2-2024
11	Digital and AI Tools in Education	Dynamic Minds Group(Google for Education Partner)	5-1-2024
12	State Level webinar on “How to face viva voce examinations effectively”	St.John’s College of Education, Tirunelveli	19-8-2023
13	IEEE: Enhancing Your Project Work and Research (Awareness Programme about IEEE Xplore and EBSCO eBooks)	National Engineering College, kovilpatti	26-7-2023
14	Stochastic Approximation Algorithms-IARCS sponsored Instructional Course	National Engineering College, Kovilpatti	27-04-2023 to 28-04-2023
15	Design Thinking Process-Short Term Course	National Engineering College, Kovilpatti	July 2022
16	Python Fundamentals for beginners	Great Learning	Feb 2022
17	NPTEL - Introduction to Research	Indian Institute of Technology, Madras	Jan 2016
18	Stochastic Approximation Algorithms-IARCS sponsored Instructional Course	National Engineering College, Kovilpatti	27-04-2023 to 28-04-2023
19	Design Thinking Process-Short Term Course	National Engineering College, Kovilpatti	July 2022
20	Python Fundamentals for beginners	Great Learning	Feb 2022
21	NPTEL - Introduction to Research	Indian Institute of Technology, Madras	Jan 2016

Recognition

- Received Top Performing Mentor award for the course “Data Analytics with Python” during Jan to April 2024.
- Received Appreciation award for the course “Deep Learning – IIT Ropar” during Jan to April 2024.
- Received Best Project Award in UG level in the topic “IoT Based accident detection and rescue system” at International Conference on Recent Trends in Management, Engineering & Technology(ICMET 2023) during 23-12.2023.

Specific Achievement if any

S.No	Course Name	Topic	Grade	Duration
1	NPTEL	Introduction to Machine Learning (Tamil)	Elite	Jan - April 2025
1	NPTEL	Data Analytics with Python	Elite	Jan - April 2024
2	NPTEL	Cloud Computing	Elite + Silver	July – October 2022
3	NPTEL	Introduction to Internet of Things	Elite + Silver	July - October 2023

Contribution to the Institution:

- ISTE Student and Staff Chapter Convener(2024 – 2025)
- Business Analytics Vertical - Member
- BOS Member
- BlockChain Course Committee Member
- Product Development Process Steering Committee(PDPSC) member(2025-2026)

Contribution to the Department:

- Tutor at CSE
- Staff Incharge (APJ & CVR Lab) -2022-2023
- NAAC Criteria 5 Member (2021 – 2022)
- NBA – Criteria 9 Member (2021 – 2022)
- CSE Association – Member (2022 – 2023)
- AI & ML Focus Group – Member (2022 – 2024)
- Discipline Committee Member (2024 -2025)
- Academic and Moderation Incharge (2024 – 2025)
- Department Placement Coordinator(2024-2025)
- BOS Coordinator (2024 – 2025)
- Internship, In-plant Training, Industrial Visits Coordinator (2024 – 2025)
- Hackathon, Online Contest Student Participation Coordinator (2024 - 2025)
- Student Project Outcome Coordinator (2024 – 2025)
- Deep Learning Lab Incharge (2024 -2025)
- Acting as a Tutor for 2023-2027 batch (21 students)

- Framed the syllabus for Machine Learning, Deep Learning & Reinforcement course (R2023)
- Acted as an Coordinator for Smart India Hackathon 2024
- Act as an Product Development Lab Course Incharge for 2022 -2026 batch.
- Framed the Course Design Document for Design and Analysis Algorithms, Computer Networks & Deep Learning.
- Class Incharge for 2023-2027 batch.
- Being a mentor for internship of second year students under Shan AI Technologies.