Curriculum Vitae

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OBJECTIVE

To obtain a challenging and progressive career with an organization where the combination of my knowledge along with my creative thinking. Also to grow professionally by learning from the Organization and giving my best.

Personal Details:

Date of Birth	: 13.02.1976
Sex	: Male
Nationality	: Indian
Community	: BC
Marital Status	: Married

Academic Qualifications

Degree of Examination	Name of the School/College / University	Year of Passing	Subject	Class
B.Sc.(CS)	The American College, Madurai	1997	Computer Science	First Class
M.Sc. (CS)	M. K. U. College, Madurai	1999	Computer Science	First class
M.Phil. (CS)	Madurai Kamaraj University	2008	Computer Science	First class
B.Ed. (CS)	Terasa College of Education, Trichy	2011	Computer Science	First class
Ph.D (CS)	Manonmaniam Sundraranar University,Thirunelveli	2023	Computer Science	Thesis submitted

Research Experience

Research Stage	Title of the Thesis	University where the work is carried out
Ph.D Thesis Submitted on 26.06.2023	An Efficient Approach for Elderly Care System Based on Video Image Processing	Manonmaniam Sundaranar University

Teaching Experience

Courses Taught	Name of the University / College	Duration
BCA	NPR Arts & Science College, Dindigul	Dec 2017 - Apr 2020
BCA	Annai Fathima College, Thirumangalam	May 2015 - Aug 2017
M.C.A	Madurai Kamaraj University - Part time Lecturer	Jan 2002 - Dec 2010
M.Sc.	Thiagarajar College, Madurai	Jul 2008 - Jun 2011
B.Sc.	The American College, Madurai IGNOU Counselor IG 4503 , Programmer	Jul 1997 - July 2008

Area of Specialization: Software Engineering, Image Processing

M.Phil., Thesis Title:

Performance Analysis of Routing Algorithms in Mobile Ad-hoc Network

List of International Journal Publications

S. No	Title of the paper	Name of the Journal	Journal type	ISSN No	Volume No/Year of publishing	Impact factor
1.	An Optimization of Elderly Fall Detection System Using Open Pose Skeleton Model	International Journal of Food and Nutritional Sciences (IJFANS)	UGC approved	e-ISSN 2320 - 7876	Vol.11, Issue.3 / PP: 183-191 Mar 2022	7.832
2.	Performance Analysis of Fall Detection in Elderly Care System Based on Video Image Processing	International Journal of Food and Nutritional Sciences (IJFANS)	UGC approved	e-ISSN 2320 - 7876	Vol.11, Issue.11/ PP:1540-1551 Nov 2022	7.832

3.	An Efficient LSTM and SVM based Fall Event Detection System for Elderly People	Turkish Online Journal of Qualitative Inquiry (TOJQI)	Scopus Indexed	ISSN 528 - 541	Vol. 12, Issue 1, Jan 2021	
4.	Study on Evaluation of Machine Learning Approaches in Brain Tumour MR Images	Turkish Journal of Computer and Mathematics Education	Scopus Indexed	1361-1371	Vol.12 No. 5 (2021), Pg: 1361-1371	
5.	An Efficient Fall Detection Method For Elderly Care System	Journal of Analysis and Computation (JAC)	UGC approved	0973-2861	Apr 2019	5.98
6.	Elderly Care System Based On Video Image Processing – A Survey	International Journal of Computer Engineering and Applications (IJCEA)	UGC approved	2321-3469	Vol XII, Issue I 168-175 Jan 2018	5.8
7.	A Study on Statistical Metrics For Image De-Noising	International Journal of Computer Engineering and Applications (IJCEA)	UGC approved	2321-3469	Vol XII, Issue I 168-175 Jan 2018 Pg241-246	5.8
8.	Smart Mobile App Development: Security Issues And Challenges	International Journal of Computer Engineering and Applications (IJCEA)	UGC approved	2321-3469	Vol XII, Issue I 168-175 Jan 2018 Pg275-280	5.8
9.	Applications of Big Data Analytics and Machine Learning Techniques in Health Care Sectors	International Journal of Engineering and Computer Science	Scopus Indexed & Web of Science	2319-7242	Volume 6 Issue 7 July 2017 Page No. 21963-21967	0.564 CITED BY 7
10.	Cloud Storage Services For Big Data Management and Analytics of Streaming Data	International Journal of Arts, Science And Humanities Shanlax International Journals	UGC approved	2321-788x	Volume 5 Issue Special Issue 1 2018 Feb Pages 187-193	

11.	Adaptive Switching De-noising Filter Cascaded with Cuckoo Search Algorithm to Minimize the Mean Error – Medical Image Application	International Journal of Computer Sciences and Engineering	UGC approved	E-ISSN: 2347-2693	Open Access Research Paper Vol-6, Special Issue-4, May 2018 pg 1-7	
12.	Emerging challenges in e-marketing communication	Emperor International Journal of Finance and Management Research (eijfmr)	Peer Reviewed Journal	2395-5929	volume ii special issue 1 jan 2016 pg 109-115 Mayas Publication	

International Conference Presentation

S No	Name of the Conference	Place of the Conference	Date	Title of the Paper Presented
1	International Conference on Emerging Trends and Challenges (ICETC 18)	NPR Arts & Science College, Natham, Dindigul	28th Dec 2018	An Efficient Fall Detection Method for Elderly Care system
2	2nd International Multidisciplinary Conference on Information Science, Management Research and Social Sciences	Alpha Arts and Science College, Porur	19th March 2021	Perceptive Elderly Care System using Video Image Processing
3	International Virtual Conference on Intelligent Computing in Humanity, Agriculture, Science & Technology (ICHASH-2022) **Best Paper Award**	PG & Research Dept. of Computer Science, M.V. Muthiah Government Arts College for Women, Dindigul	26th & 27th May 2022	Elderly People Fall Deduction System using UR-Fall Dataset

International Conference and Workshop Attended

- Attended the AICTE sponsored Seven Days International Seminar on "Big Data Analytics with State of Art Experimentation on E-Governance, Healthcare and Educational System" Organized by Department of Information Technology, K.L.N College of Information Technology, Sivagangai from 5.10.2017 to 11.10.2017.

- International Journal of Computer Sciences and Engineering Open Access Research Paper Vol-6, Special Issue-4, May 2018 E-ISSN: 2347-2693, "Adaptive

Switching De-noising Filter Cascaded with Cuckoo Search Algorithm to Minimize the Mean Error – Medical Image Application", Department of Computer Applications, NPR Arts and Science College, Natham, India.

- International Journal of Advanced Research in Computer Engineering & Technology (IJARCET) Volume 6, Issue 9, September 2017, ISSN: 2278 – 1323,www.ijarcet.org ,   "Survey on Image De-noising Based on Two- Stage Median Filtering Approach", Department of Computer Applications, NPR Arts and Science College, Natham, India.

- Attended the state level Technical workshop on "Intellectual property Rights" organized by NPR Arts and Science college, Dindigul on 28.1.2018.

- Participated in the National workshop on "Data Analytics using " R Tool " organized by Dept.of Comp.Sci. on 9.3.2018 at M.V. Muthiah Govt.Arts college for women, Dindigul.

- Participated in the Two days International workshop on "Cloud for educational Institutions" held on 22.6.2018 and 23.6.2018 at Mother Teresa Women's University, Kodaikanal.

- Attended the National seminar on "Artificial Intelligence and the Future of it in Machine Learning" organized by Sri Meenakshi Government arts college for women, Madurai on 01.04.2019.

- Participated in the Online Workshop on "Data Visualization using R" organized by the Department of Computer Lady Doak College, Madurai on 15th & 16th May 2020.

- Participated in the Online Quiz on "DATABASE MANAGEMENT SYSTEMS" conducted by the Department of Computer Science & Computer Applications held on 22-6-2020 and scored 60%.

- Participated in the National Level E-Workshop on Administrating Google Form and its Add-ons for online Academic Programmes organized by M.V. Muthiah Govt.Arts college for women, Dindigul on 29th June 2020.

- Participated in the Seven days Faculty Development Programme (FDP) on "Programming in R" conducted through Spoken-Tutorial Project Team, IIT Bombay MHRD from 23.06.2020 to 29.06.2020 organized by PG and Research Department of Computer Science, M. V. Muthiah Government Arts College for Women, Dindigul.

- Participated in the Seven days Faculty Development Programme (FDP) on Teaching Using ICT Tools from 20.5.2020 to 24.5.2020 Organized by IQAC, Department of BCA & IT, JP College of Arts and Science, Ayikudy,Tenkasi.

- Participated in the FDP on Data Science - Research Opportunities organised by Department of Information Technology, Sri Ramakrishna College of Arts and Science, Coimbatore-06, held on 21-05-2020.

- Participated in the IEEE Bangalore Section Researchers Forum Online Workshop On IEEE REFERENCE MANAGEMENT TOOL FOR RESEARCH ARTICLES AND

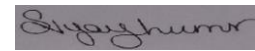THESIS WRITING held on 20th May, 2020. organized by IEEE Young Professional, Bangalore.

- Attended the Quiz on Internet of Things organized by the department of CSE, NICHE, Kumaracoil on 19th may 2020, Mark Scored 85% Certificate ID PPDRTS-CE000703.

- Participated in Online seminar on Research Methodology and its Tools held on 12th May, 2020. organized by Crescent Institute of Science and Technology, Chennai.

- Attended the online Quiz on Computer Science and its applications organized by the department of Information Technology, Madurai sivakasi nadar pioneer meenakshi womens college, Madurai on 19th may 2020, Mark Scored 52% .

- Participated in the Webinar on "Emotional Intelligence" organized by GTN Arts college, Dindigul on 26th May 2020.

- Participated in the Technical Webinar on "Open Source Software" organized by Dept.of Comp.Sci. on 9.5.2020 at   M.V. Muthiah Govt.Arts college for women, Dindigul.

Declaration

I hereby declare that the above information is correct and true to the best of my knowledge and belief.

Place: Madurai   Yours Sincerely,

Date: 19.07.2023   (S.Vijaya Kumar)