

CURRICULUM VITAE

Mr. P. V. RAJARAMAN.

Office:

Head of the Department - CS(AI).
Adi Shankara Institute of Engineering and
Technology,
Kalady, Ernakulam – 683 574, Kerala.
rajaramanpv88@gmail.com,
Mobile: +91 9940418252



Residence:

10/444, Kalady Malayattoor Road,
Kalady, Ernakulam Dist., Kerala.

EDUCATIONAL DETAILS

- Ph.D., Sequence to Sequence generation for Automatic Reply Generation for Queries in Natural Language Processing using Deep Learning concepts. Status: Synopsis Submitted. Anna Univerisity, 2018 – 2024.
- M.E., Computer Science and Engineering, Sathyabama Univerisity, Chennai. 2011 – 2012.
- B.E., Computer Science and Engineering, Panimalar Engineering College [Affiliated to Anna University], Chennai. 2006– 2009.
- Diploma., Computer Science and Engineering, Panimalar Polytechnic College, Numgambakkam, Chennai.

EMPLOYMENT HISTORY

- 12th December, 2022 – Till Date: Head of the Department, Artificial Intelligence, Adi Shankara Institute of Engineering and Technology, Kalady, Ernakulam, Kerala.
- 1st June, 2012 – 8th December, 2022: Assistant Professor, Computer Science and Engineering, Rajalakshmi Engineering College, Chennai. 10 years +.
- 1st June 2009 – 31.5.2012: Assistant Professor, Computer Science and Engineering, Panimalar Engineering College, Chennai.

Additional Responsibilities held:

- In-charge of the Ethics Committee - Rajalakshmi Engineering College – 10 years.
- In-charge of the Innovative Project Cell, Computer Science Department, 3 years.
- Member of the Centre of Excellence for Data Science, 3 years.

ACADEMICS, ADMINISTRATION & RESEARCH

I. ABSTRACT OF ACCOMPLISHMENTS

- ☐ *Teaching Experience at Undergraduate Level – 10 +Years.*
- ☐ *In-charge of the Ethics Committee - 10 +Years.*
- ☐ *In-charge of the Innovative Project Cell.*
- ☐ *Publications in International/National (Science Indexed/Scopus) Journals – 4 Nos.*
- ☐ *Head of the Consultancy Project at Rane Ltd. – 1 year.*
- ☐ *Reviewer in International Journals – 2 Nos.*
- ☐ *Invited Talks/Guest Lectures/Key note address/Conference Chair - 4 Nos.*
- ☐ *Seminars/Workshops/FDPs/Conferences Organized & Participated – 25+ nos.*

II. TEACHING EXPERTISE

Produced 90 % to 100 % results multiple times in most of the subjects listed below in the Anna University Examinations.

- ☐ Cyber Forensics
- ☐ Operating Systems
- ☐ Computer Networks
- ☐ Database Management Systems
- ☐ Computer Architecture
- ☐ Artificial Intelligence
- ☐ Machine Learning
- ☐ Deep Learning

III. AREAS OF RESEARCH INTEREST

- ☐ Deep Learning and Natural Language Processing – Sequence to sequence generation, attention networks, Encoder – Decoder models, Generative Adversarial Networks, Question Answering Systems.
- ☐ Deep Learning and Image Processing – Visual Question Answering System, Image Understanding.
- ☐ Artificial Intelligence – Explainable AI (XAI)

V. CONSULTANCY PROJECT

S.NO	TITLE OF THE PROJECT	Company	AMOUNT	DURATION	REMARKS
1.	Principal Investigator: Optimizing the pressure required for Straightening a rack.	Rane Pvt. Ltd.	2,00,000.00	4 Months	Received the funds for Phase – I
2.	Co-Investigator: Intelligence System for Flood Prediction, Smart Water Distribution and Air Pollution Monitoring.	Ministry of Electronics and Information Technology	2.99 Crore	3 Years	Ongoing

VI. PAPER PUBLICATIONS IN PEER REVIEWED JOURNALS (2021): 4 Nos.

S.No	Title of the Paper	Author(s)	Journal
1.	Graph Sample and Aggregate Attention Network Optimized with Barnacles Mating Algorithm based Sentiment Analysis for Online Product Recommendation	N. Pughazendi, P.V. Rajaraman , Muzammil Hussain M	Applied Soft Computing Journal. 2023 June. IF: 8.34
2.	Crowd Social Distance Measurement and Mask Detection	N. Bala Sundara Ganapathy , V. Vinay Kumar, P.V. Rajaraman , N. Pughazendi	Journal of Survey in Fisheries Sciences. Web of Science. Vol. 10 No. 2S (2023): Special Issue 2. IF: 0.93

3.	Intelligent deep learning based bidirectional long short term memory model for automated reply of e-mail client prototype	Rajaraman, P.V. , Prakash, M	Pattern Recognition Letters. Volume 152, December 2021 , Pages 340-347. IF: 4.757
4.	COVID-detect: A deep learning approach for classification of COVID-19 pneumonia from lung segmented chest x-rays.	Rajkumar, S., Rajaraman, P.V. , Meganathan, H.S., ...Tejaswinee, K., Ashwin, R.	Biomedical Engineering - Applications, Basis and Communications. 2021 , 33(2), 2150010. IF: 1.241
5.	A Survey on Text Question Responsive Systems in English and Indian Languages	Rajaraman, P.V. , Prakash, M	Advances in Intelligent Systems and Computing, 2020 , 1118, pp. 267–277.

Citations: 42, h-index: 4, i10 index: 1

VI. PAPER PUBLICATIONS IN INTERNATIONAL CONFERENCES (After 2021):

S.No	Title of the Paper	Author(s)	Journal
1.	INSIGHTS! - A modern deep learning approach to data analysis using Feature Name Substitution Network	Yatheendra Pravan, K.M., Shanmugam, U., Rajaraman, P.V	CCIDS - 2nd International Conference on Computational Intelligence in Data Science, Proceedings, 2021, 8862071

VII. CERTIFICATIONS

S. No	Name of the Course	Organization	Year
1.	Master Trainer in High Performance Computing	CDAC – Pune.	2024
1.	Artificial Intelligence And Deep Learning	Bennett University	2018
2.	Advanced Deep Learning	Bennett University	2020
3.	Introduction to Object Identification	GUVI, IIT-M	2021
4.	Introduction to PyTorch	GUVI, IIT-M	2021

VIII. WORKSHOPS ORGANIZED, CONDUCTED AND RESOURCE PERSON

Created the curriculum that involves the latest technologies to build intelligent applications in the field of Artificial Intelligence , Machine Learning and Deep Learning.

Conducted workshops and trained 150 + students and faculty members from inside and outside the campus.

S.No	Title of the Workshop	Number of Participants	Year	Role Played
1.	Faculty UpSkillling programme “Zero to Hero in Deep Learning”	25	2022	Coordinator and Resource Person
2.	Student Workshop Programme on Deep Learning for Image and Text Processing.	50	2021	Coordinator and Resource Person
3.	Faculty Develeopment Programme on Deep Learning for Image and Text Processing.	20	2020	Coordinator and Resource Person
4.	4 day Workshop on Machine Learning and Deep Learning	35	2020	Coordinator and Resource Person
5.	4 day Workshop on Machine Learning and Deep Learning	40	2019	Coordinator and Resource Person
6.	2 day Workshop on AI and Deep Learning	30	2019	Coordinator and Resource Person
7.	4 day Workshop on Machine Learning and Deep Learning	35	2019	Coordinator and Resource Person
8.	4 day Workshop on Machine Learning and Deep Learning	35	2020	Coordinator and Resource Person

IX. INVITED TALKS

S.NO	INSTITUTION	TITLE OF THE TALK	YEAR
1.	Manakula Vinayagar Institute of Technology, Pondicherry.	Importance of Ethics in life	2014
2.	Karpagam College of Engineering, Coimbatore.	Recurrent Neural Networks for Social Media Analysis.	2021
3.	Sathyabama Univerisity	Aritificial Neural Networks and Rucurrent Neural Networks – HandsOn.	2022
4.	Rajalakshmi Engineering College	Advaced Artificial Intelligence	2023

X. Hobbies and Personal life:

- ☐ I have learnt the Tarka-Nyaya and Vedanta Sastra from Brahmasri Dr. Goda Venkateswara Sastrigal (An exponent in the sastras) from the year 2009 to 2013.
- ☐ I have been doing Upanyasams (lectures) in the subject of Valmiki Ramayana and Srimadh Bhagavatham from my age of 18.

○ **Awards:**

I was the recipient of the award titled Baghavatha Bhaswan Brahmasri Anjam Krishnan Namboothiri Memorial Award given by Sree Ayyappa Bhaktha Sabha.

I deliver regular lectures in Ayyapa Pooja Sangam, Ram Nagar, Coimbatore, Shri Shankara Hall, Kolkata, Sringeri Shankar Mutt, Coimbatore.

XI. ETHICS CLUB ACTIVITIES



- ☐ I have served as the in-charge of the Ethics club of REC for the past 10 years.
- ☐ Objectives: To build a new generation with honest, patriotic and scientific attitude and strong ethical values.
- ☐ Activities of the club:
 - Organize monthly lectures that promotes and emphasizes ethical values among students.
 - Invite speakers who are experts in the field of oration to motivate students in ethical values.
 - I regularly deliver vedantic lectures in Advaita Academy through online mode and those videos are made available in their youtube channel.

PERSONAL DETAILS

Date of Birth: 05th JUNE, 1988 (35 Years)

Nationality: Indian.

I do hereby declare that the above information furnished by me are true and correct to the best of my knowledge.

Date : 05/07/2024

Place : Kalady, Kerala.

P.V. RAJARAMAN