

BIO DATA



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1. Educational Qualification

Degree	Branch / Specialization	Institute/University	Year of Passing
B.Tech	Computer Science and Engineering	Kalasalingam University	2012
M.Tech	Information Technology	Mepco Schlenk Engineering College, Sivakasi	2015
Ph.D	Information and Communication Engineering	Anna University, Chennai	Pursuing

2. Professional/ Industry Experience : (in chronological order)

S.No	Designation	Institution/Organization	Period	
			From	To
1.	Assistant Professor	Ramco Institute of Technology, Rajapalayam	20.07.2018	Till date
2.	Programmer Analyst	Cognizant Technology Solutions, Chennai.	30.12.2016	10.07.2018
3.	Programmer Analyst Trainee	Cognizant Technology Solutions, Chennai.	25.09.2016	30.12.2016

3. Research Area: Wireless Sensor Networks, Machine Learning

4. Publications & Research

4.1 Journal Publications

1. **Vignesh Saravanan K**, Narmadha S, Vijayalakshmi K, 2021, “**Energy Aware Secured Routing against Wormhole Attack in WSN**”, International Journal of Engineering Research & Technology (Ijert) (Volume 09 – Issue 08)
2. **Mr.K.Vignesh Saravanan**, Ms.J.Bharathy & Dr.K.Vijayalakshmi, “**Multi-Constraint Optimal Skyline Product Combination Under Price Promotion Using TLE Algorithm**”,

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4.2 Conference Publications

1. **Vignesh Saravanan K**, Narmadha S, Vijayalakshmi K, “**Energy Aware Secured Routing against Wormhole Attack in WSN**”, International Conference on Advanced Computing Techniques (ICACT-2021) - organized by Bapatla Engineering College, Bapatla, Andhra Pradesh, India.
2. Mr.Aswin V R, Mr.Balaji S, Venkatesh R, **Vignesh Saravanan K**, “**Detection of Cracks in Surfaces and Materials using Convolutional Neural Network**”, International Conference on “Mobile Radio Communications & 5G Networks (MRCN– 2021)
3. **Mr.K.Vignesh Saravanan**, Kata Bharat & Dr.K.Vijayalakshmi, “**A Novel Approach for yoga pose assessment system using deep learning**”, International Web Conference of Smart Engineering Technologies, 2020.

4.3 Book/Book chapter publications

1. **Vignesh Saravanan K**, Vijayalakshmi K, Kavi Priya S, **Machine Learning Techniques to Mitigate Security Attacks in IoT** for the Book titled **Security and Privacy Issues in Sensor Networks and IoT**, IGI Global Publications, Pennsylvania, United States. Published.

4.4 Reviewed Journal/Conference papers:

1. Acted as Reviewer in The Eighth International Conference on Transformations in Engineering Education (ICTIEE 2021) during January 8-10, 2021, organized by IUCEE Foundation.

5. Awards / Achievements / Recognitions:

1. Successfully completed **One-month Research Sabbatical** on AI and Deep Learning at Bennett University, Greater Noida during 10.11.2019-11.12.2019. Completed my project work in allotted research topics and have been highly appreciated by review members of Bennett University.

6. Short term Courses/Seminars/FDP/Workshop/Conference Attended:

Sl.No	Title of the event	Organized by	Date	
			From	To
1.	Introduction to Angular JS	ICT Academy	24.05.2021	28.05.2021
2.	Data Science	MIT Campus, Anna University, Chennai (ATAL)	14.12.2020	18.12.2020
3.	Oracle – Programming using PL/SQL	Oracle Academy	24.08.2020	26.08.2020
4.	Training Program on “Virtual Labs”	PALS and NIT, Karnataka (Suratkal)	10.08.2020	14.08.2020
5.	FDP on “ Outcome Based Curriculum ”	NITTTR, Chandigarh	01.06.2020	05.06.2020

6.	Workshop - Training On “ Technology Assisted Teaching Tools ”	Coimbatore Institute of Technology	29.05.2020	30.05.2020
7.	FDP on “ How to write effective case study ”	Atmiya University, Rajkot	02.05.2020	02.05.2020
8.	FDP on “ LaTeX & XFig ”	Loyola College, Mettala & Spoken Tutorial, IIT Bombay	27.04.2020	30.04.2020
9.	Advanced Training in “ Deep Learning ” under Sabbaticals	Bennett University, Greater Noida	10.11.2019	10.12.2019
10.	One week Training on “ Oracle Programming using PL-SQL ” (Trainers from Oracle)	Ramco Institute of Technology, Rajapalayam	08.04.2019	12.04.2019
11.	One week Short Term Course on “ Data Science for IOT ”	Thiagarajar College of Engineering, Madurai	04.02.2018	09.02.2018

7. Short term Courses/Seminars/FDP/Workshop/Conference Organized:

Sl.No	Title of the event	Organized by	Date	
			From	To
1.	Two Day Hands - on Training/Workshop on " Technology Assisted Teaching Tools "	Coimbatore Institute of Technology, Coimbatore	29.05.2020	30.05.2020
2.	Anna University approved – Value added course on “ iOS App Development ” - Resource person from HCL technologies, Chennai	Ramco Institute of Technology, Rajapalayam	17.08.2019	14.09.2019
3.	Five day value added course on “ Embedded C with RTOS and IoT ”	Ramco Institute of Technology, Rajapalayam	10.06.2019	14.06.2019
4.	One week Training on “ Oracle Programming using PL-SQL ” (Trainers from Oracle)	Ramco Institute of Technology, Rajapalayam	08.04.2019	12.04.2019

8. Expert Lectures Delivered:

Sl. No	Topic	Date	Organization
1.	Five Days Faculty Development Program on “Machine Learning using Python”	08.07.2020 to 12.07.2020	Ramco Institute of Technology
2.	“Demystifying ML algorithm using Python”	28.12.2020 to 02.01.2021	RIT-AI Research Centre in association with RITIIC cell, RIT

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Sl. No	Topic	Date	Organization
3.	“Machine Learning”, Topic: Python packages for Machine Learning”	11.01.2021	Dept. of ECE in association with IETE Student Forum, RIT
4.	Short term course on “Predictive and User-Behavior analysis using Python”	22.02.2021 to 27.02.2021	IE Madurai local centre associated with RIT – IE(I) CSE
5.	STTP on “ Hands on Training: Virtual Laboratory”	04.08.2020	Ramco Institute of Technology
6.	Five day value added course on Problem solving Techniques	17.06.2019 to 20.06.2019	Ramco Institute of Technology
7.	One Week Finishing school course on Computer Programming	22.04.2019 to 27.04.2019	Ramco Institute of Technology
8.	Company specific Placement training (Ramco Systems, Vuram Technologies	August – September 2018	Ramco Institute of Technology,

9. Online Courses

Sl. No	Course title	University	Date
1.	Mathematics for Machine Learning: Multivariate Calculus	Imperial College London	In-Progress
2.	Introduction to Web Development with HTML, CSS, JavaScript	IBM, Full Stack development	In-Progress
3.	NITTT - Module 3: Communication Skills, Modes & Knowledge Dissemination	NITTTR	01.07.2021 to 24.10.2021
4.	NITTT - Module 4: Instructional Planning and Delivery	NITTTR	01.07.2021 to 24.10.2021
5.	Mathematics for Machine Learning: Linear Algebra	Imperial College, London	22.08.2020
6.	IUCEE Online Teaching Course	IUCEE Foundation	July to September 2020
7.	Introduction to HTML5	University of Michigan	18.07.2020
8.	Predict Sales Revenue with scikit-learn	Coursera Project Network	16.07.2020
9.	SQL for Data Science	University of California, Davis	14.06.2020
10.	Advanced Microsoft Excel	Tata – Capability Development e-learning	25.05.2020
11.	Machine Learning	Tata – Capability Development e-learning	15.05.2020

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12.	Microsoft Office	Tata – Capability Development e-learning	13.05.2020
13.	Fundamentals for Deep learning for computer vision	NVIDIA	10.02.2020
14.	Introduction to Computational Thinking and Data Science	Massachusetts Institute of Technology	16.10.2019 to 20.12.2019
15.	Calculus 1C: Coordinate Systems & Infinite Series	Massachusetts Institute of Technology	06.03.2019 to 11.05.2019
16.	Introduction to Computer Science and Programming Using Python	Massachusetts Institute of Technology	30.08.2018 to 01.11.2018
17.	Calculus 1A: Differentiation	Massachusetts Institute of Technology	29.08.2018 to 22.11.2018

