

CURRICULUM VITAE

Dr. K. SARAVANA KUMAR

Teaching Fellow

Department of Information Technology

UCE – BIT Campus, Tiruchirappalli - 620 024

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➤ **Research Area:**

- Machine Learning
- Web Technologies

➤ **Educational Qualifications:**

➤ **Ph.D. Information and Communication Engineering (January 2024)**

UCE, BIT Campus, Anna University, Tiruchirappalli.

THESIS TITLE: CLINICAL DECISION SUPPORT SYSTEM FOR HEART DISEASE PREDICTION USING MACHINE LEARNING TECHNIQUES

➤ **Master of Engineering (June 2012) – 8.09 CGPA. First Class.**

Specialization: Software Engineering

Department of Computer Science & Engineering,
Rajalakshmi Engineering College, Chennai.

➤ **Bachelor of Technology (April 2005) – 67%. First Class.**

Specialization: Information Technology

Sun College of Engineering and Technology, Nagercoil.

➤ **Professional Experience:**

Total **15.5 years** of extensive Teaching and Software experience in various engineering subjects in different colleges/universities, and companies.

Sl. No	Name of Company / Institutions	Designation of Post	From	To	Year(s)	Month(s)
1	UCE, BIT Campus, Anna University, Tiruchirappalli-24	Teaching Fellow	22.07.2013	Till date	10	9
2	Adhiyamaan College of Engineering, Hosur.	Asst. Professor	18.06.2012	06.04.2013	0	9.5
3	Adhiyamaan College of Engineering, Hosur.	Lecturer	14.09.2009	30.04.2010	0	7.5
4	Crazy Infotech Ltd, Chennai	Senior Software Developer	10.09.2008	11.09.2009	1	0
5	TexTech International Pvt Ltd, Chennai.	Software Developer	09.04.2008	09.09.2008	0	5

6	Aanjaay Software Ltd, Chennai.	Software Developer	03.02.2006	08.04.2008	2	2
	Total Years of Experience (Year & Month) =				15	9

➤ **Awards / Honours Received:**

- Received an appreciation certificate for the result of **100%** in the subjects GEOGRAPHIC INFORMATION SYSTEM, DATABASE MANAGEMENT SYSTEMS, OBJECT ORIENTED PROGRAMMING SYSTEMS, INFORMATION SECURITY, INFORMATION RETRIEVAL TECHNIQUES, WEB DEVELOPMENT FRAMEWORKS, AND SOCIAL NETWORK ANALYSIS 2019-2020, 2020-2021, and 2021-2022.
- Received an appreciation certificate for exceptional contribution as a **MENTOR** in **Smart India Hackathon – Senior Software Edition Grand Finale, 2023**, held on 19-20, December 2023 organized by P.R Pote Patil College of Engineering & Management, Amravathi, Maharastra, India.

➤ **Additional / Academic Responsibilities at Department/University:**

Sl.No	Responsibility	Year
1	First Year Induction Programme Co-coordinator 2023 for B. E (CSE) & B. TECH (IT)	2023
2	Final Year Project Coordinator	2022-2023 - B. TECH (IT) 2021-2023 - B.E (CSE)
3	Sports Coordinator for Dept. of IT	2015 to now
4	Cultural Coordinator for Dept. of IT	2015 to now
5	Student Feedback In charge IT & CSE	2015 to 2019
6	Residential tutor in Vaigai Men's Hostel	3rd Sep 2013 April 2015.
7	Class Coordinator	CSE -A (2014-2018) Batch. CSE -B (2018-2022) Batch.
8	Laboratory In-charge	A Block Room No.108, First Year Lab (2013 – 2015). C Block Room No. C08, Project Lab (since 2015)

➤ **Publications:**

a. International Journals:

- Saravana Kumar, K** & Ramasubramanian, S 2023, 'A clinical decision support system for heart disease prediction with ensemble two-fold classification framework', Journal of Intelligent & Fuzzy Systems, vol. 44, Issue 1, pp. 963-980.

b. Books/Book Chapters:

- Ubiquitous Intelligent Systems: Proceedings of ICUIS 2021 Volume 243 of Smart Innovation, Systems, and Technologies, Publisher: Springer Nature Singapore,

2021, Editor: P. Karuppusamy, Isidoros Perikos, Fausto Pedro García Márquez,
ISBN: 9811636745, 9789811636745, Scopus Indexed.

c. International Conferences:

Sl. No	Title	Year
1	Enhancing Configuration Space Using Improved Interaction Tree Discovery Algorithm	5th & 6th March, 2015
2	Optimistic routing and neighbor authentication and verification in mobile ad-hoc network	4th & 5th April, 2014
3	An outsourced decryption for promising of attribute-based encryption using random oracles	13th & 14th March, 2014

d. National Conferences:

Sl.No	Title	Year
1	Minimized Error Rate with Improved Prediction Accuracy Using Pre-processing Models	16-17, April 2021
2	Data leakage detection using Unobtrusive techniques	20th & 21th Feb, 2012

e. List of Seminar / Short Term Courses/FDP/ Workshop attended:

Sl.No	Name of Programme and Type	Date of the Programme	Venue
1	40 hours Faculty Development Programme on “BASICS OF BIO-INFORMATICS”	26th May – 4th June, 2021	Online
2	Five days Faculty Development Programme on “LaTeX”	10th Aug 2020 to 14th Aug 2020	Online
3	Two weeks Faculty Development Programme on “Advanced Optimization Techniques and hands-on with MATLAB/SCILAB	13th July 2020 to 24th July 2020	Online
4	One day Workshop on “WRITING TAMIL IN SCIENCE, ENGINEERING AND TECHNOLOGY “	23rd March 2019	UCE, BIT Campus, Anna University, Tiruchirappalli.
5	Two days National level Workshop on “CLOUD COMPUTING AND SOFTWARE TESTING METHODOLOGY	Sep’ 30th and Oct 1st 2019	UCE, BIT Campus, Anna University, Tiruchirappalli.
6	One-day workshop on hands-on “Analog Discovery Kit”	7th June 2019	UCE, BIT Campus, Anna University, Tiruchirappalli.

7	One day National level WORKSHOP on "Web Application Frameworks: STRUTS, SPRING, and HIBERNATE"	2nd March 2019	UCE, BIT Campus, Anna University, Tiruchirappalli.
8	Two days' WORKSHOP on "AWARENESS ON RESEARCH & EMPLOYABLE OPPORTUNITIES IN RECENT TECHNOLOGY"	6TH & 7TH Oct 2017	UCE, BIT Campus, Anna University, Tiruchirappalli.
9	Two days' WORKSHOP on Hands-on "PYTHON PROGRAMMING"	28th and 29th Aug 2017	UCE, BIT Campus, Anna University, Tiruchirappalli.
10	One day National level WORKSHOP on "IOT and Android App Development Using MATLAB/Simulink"	22nd July, 2017	UCE, BIT Campus, Anna University, Tiruchirappalli.
11	Two days national level SEMINAR on "Cloud computing: A hands-on approach"	15th and 16th Sep, 2016	UCE, BIT Campus, Anna University, Tiruchirappalli.
12	TEQIP II Sponsored 14 days FDP on "Heuristic approach for Information and Communication Engineering Research Problems (HAICERP-2K16)"	15 th June 2016 to 28 th June 2016	UCE, BIT Campus, Anna University, Tiruchirappalli.
13	TEQIP II Sponsored 5 days Course Foundation Skills in Integrated Product Development (FSIPD)	23 rd Nov 2015 to 27 th Nov 2015	UCE, BIT Campus, Anna University, Tiruchirappalli.
14	TEQIP II Sponsored 14 days of FDP on "Hands-on Cloud & Big Data Analytics"	12 th May 2015 to 25 th May 2015	UCE, BIT Campus, Anna University, Tiruchirappalli.
15	TEQIP II Sponsored 7 days FDP on Paradigm of Computing (PC'13)	02 nd Dec 2013 to 08 th Dec 2013	UCE, BIT Campus, Anna University, Tiruchirappalli.

➤ **Completed PG/UG Projects:**

- Number of PG Projects Completed: 7 Nos
- Number of UG Projects Completed: 35 batches

➤ **Professional Recognitions:** (details like chairperson/member of a committee, reviewer, editor ...etc)

- **Reviewer** of the Journal of Intelligent and Fuzzy Systems.
- Acted as a resource person in the **Police Training Program for State Level Police Duty Meet** on 16.06.2017, 28.06.2018, and 29.06.2018, in the "Introduction of C-Program for Event-II," "Web Technology for Event-I and .Net Programming for Event-III", in University College of Engineering, BIT Campus, Trichy.

(A) Chairperson for Conferences / Seminar / Technical Symposia:

Sl. No	Title	Year
1	Co-Coordinator for Technical Symposium (PRAYUDDHA' 23)	April 24, 25, 2023
2	Reviewer for paper presentation – Technical Symposium (FENIX' 23)	March 28, 2023
3	Coordinator for Technical Symposium (FENIX' 22)	June 9-10, 2022
4	Coordinator for Technical Symposium (FENIX' 18)	March 1 st and 2 nd 2018
5	Web Technology – Servlets and JSP	27th Feb, 2015

(B) Guest Lectures Delivered:

Sl. No	Title	Venue & Year
1	Web Technology – Servlets and JSP	Oxford Engineering College, Trichy. 27th Feb, 2015.

PERSONAL DETAILS:

Date of Birth : 04th June 1984

Father's Name : Kaliappan M

Languages Known : English, Tamil

Nationality : Indian

Marital Status : Married

Permanent Address : 4-6-16/C2, Jawahar Street, Peraiyur (PO),
Madurai (Dist.) - 625703.

DECLARATION:

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

Place:

Date:

[Dr. K. Saravana Kumar]