Faculty Profile



Dr. N. Saravanan, B.E.(CSE), M.E.(MECHATRONICS), Ph.D.
Assistant Professor (SG), Department of Artificial Intelligence & Machine Learning

HIGHLIGHTS:

- Number of Journal Publications: 5
- H-Index: 1

PROFESSIONAL LINKS:

- Scopus ID: 57212402966
- Scopus Link: https://www.scopus.com/authid/detail.uri?authorId=57212402966
- Google Scholar ID: nsharankumar@gmail.com
- Anna University Faculty ID: 2648531980
- AICTE Faculty ID: 1-43391544581
- LinkedIn: https://www.linkedin.com/in/dr-saravanan-natarajan-49575518/

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 15 years
- Industrial Experience: 3 years

AREA OF SPECIALIZATION:

- Automatic Speech Recognition
- Industrial Robotics
- Speech Synthesis.
- Speaker Recognition and Speaker Diarization

COURSES CERTIFIED:

- Achieved Cognizant Certified Professional Certificate on “DB2 UDB V 8.1” on 20 December 2007
- Achieved Cognizant Certified Professional Certificate on “COBOL” on 10 March 2008
- Achieved Cognizant Certified Professional Certificate on “Banking & Financial Services (Level 0)” on 29 September 2008
- Achieved Tech gig Certificate on Python

- Achieved Test Dome Certificate on Python
- Achieved NPTEL DOMAIN SCHOLAR in PROGRAMMING, NPTEL DISCIPLINE STAR, BELIEVER STAR and NPTEL ENTHUSIASTS awards for July-Dec 2025 and Jan-Apr 2026
- Attained the following NPTEL CERTIFICATES

Year	Course Name	Marks		Total Marks	Performance
		Assignment (25)	Exam (75)		
Jan-Apr 2025	Cryptography and Network Security	23.44	45	68	Elite
Jan-Apr 2025	Introduction to Machine Learning	23.53	46.74	70	Elite
July-Dec 2025	Introduction to Internet of Things (IoT)	22.72	64.28	87	Elite + Silver
July-Dec 2025	Programming in Java	24.91	72	97	Elite + Gold
July-Dec 2025	Programming, Data structures and Algorithms using Python	25	43.13	68	Elite
July-Dec 2025	The Joy of Computing using Python	24.6	63.75	88	Elite + Silver
Jan-Apr 2026	Data Science for Engineers	23.83	46.5	70	Elite
Jan-Apr 2026	Data Base Management Systems	21.88	53.25	75	Elite + Silver
Jan-Apr 2026	Programming in Modern C++	24.31	56.25	81	Elite + Silver

ACHIEVEMENTS AND AWARDS:

- Received College Topper award for my academic achievement in my UG (B.E.) degree from EVP Engineering College
- Has been awarded GATE Score of 85.63% in the year 2005 conducted by IIT Bombay.
- Achieved Linked in Skill Badges in the following Skills.
  a) Object-Oriented Programming (OOP)
  b) Machine Learning
  c) Front-End Development
  d) C (Programming Language)
  e) Python (Programming Language)
  f) Linux
  g) HTML
  h) Cascading Style Sheets (CSS)
  i) PHP

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

- **National Conferences:**
  1. National Conference on Signals, Systems and Communications (NCSSC 2006), "Bio signal-based Human-Machine Interface for Robotic Arm," June 1st and 2nd 2007.
- **International Conferences:**
  1. **Saravanan, N.,** Sivaramakrishnan, R., Real Time Control of Industrial Robot through speech-based Interfaces in Indic Languages, "International Conferences on Automation, Robotics and Mechatronics" (ICARM) 2017
  2. **Saravanan, N.,** Sivaramakrishnan, R., "Design and control of dual-arm Cooperative manipulator using Speech Commands", The 2nd World Summit on Advances in Science, Engineering and Technology, October 3-5, 2019 ,Indiana University-Purdue University, Indianapolis, USA
  3. P. K., S. Pandiaraj, S. V., **Dr. N. Saravanan** and T. F. Fernandez, "Explainable Deep Learning for Identifying Neuropsychiatric Disorders From Fmri Data," 2025 International Conference on Computational Intelligence and Knowledge Economy (ICCIKE), Dubai, United Arab Emirates, 2025, pp. 468-473, doi: 10.1109/ICCIKE67021.2025.11318256.
- **International Journals:**
  1. **Saravanan, N.,** Sivaramakrishnan, R. Command and control of industrial manipulator through speech-based interfaces in Indic Languages. J Supercomput 75, 5106–5117 (2019). https://doi.org/10.1007/s11227-019-02790-0
  2. **Saravanan, N.,** & Sivaramakrishnan, Dr. R. (2019). Design and Control of Dual Arm Cooperative Manipulator using Speech Commands. In International Journal of Engineering and Advanced Technology (Vol. 9, Issue 1s3, pp. 122–129). Blue Eyes Intelligence Engineering and Sciences Engineering and Sciences Publication - BEIESP. https://doi.org/10.35940/ijeat.a1025.1291s319
  3. Saravanan, C. B., Flower, L. G., Babu, B., Beula, L. G., & **Saravanan, N.** Classification of Infective adulteration by twin Processing besides strewn Computing.
  4. Saravanan, C. B., Flower, L. G., Babu, B., Beula, L. G., & **Saravanan, N.** Adaptive Whorl Spit Heightening with Prominence On Preprocessing Of Facts.
  5. **Saravanan, N.** Design, Simulation and Control of 5 Degree of Freedom Manipulator Using Mobile Application.
  6. **Saravanan, N.,** & Kazi, M. M. (2008). Biosignal-based human-machine interface for robotic arm. Madras Institute of Technology
- **Conferences/workshops / attended:**
  1. Attended FDP on "Cryptography and Network Security" conducted by MIT campus, Anna University
  2. Attended Workshop on "IoT for Smart cities" Conducted by College of Engineering, Anna University, Guindy, Chennai

PROFESSIONAL MEMBERSHIPS:

- IEEE Member (80459930)
- IEEE Computer Society Member
- IEEE Robotics and Automation Society Member