



Ms. Athithya S

Assistant Professor, Computer Science and Engineering

Administrative Responsibilities

- Secretary, Research Publication Cell
- Secretary, Committee for Accessibility and Standard Inclusive Practice
- Member, Professional Growth and Value Enrichment Committee
- TBI Member
- Speech Club Member
- TinkerHub Coordinator
- FOSS Club Coordinator
- Department Website Coordinator
- Tutor, S4 CS A

Education Summary

- Pursuing Ph.D. in Computer Science and Engineering, Shiv Nadar University, Chennai
- M.Tech. in Information Technology, Anna University, Chennai, 2013–2015
- B.E. in Computer Science and Engineering, Anna University, Chennai, 2009–2013

Employment History

- Assistant Professor, Department of Computer Science and Engineering, Christ College of Engineering (Autonomous), Irinjalakuda
July 2024 – Present
- Research Associate, Department of Science and Technology (DST) Project titled “AI-based Healthcare for Elderly and Diabetic People”, Science for Equity, Empowerment and Development Division, Government of India
August 2022 – July 2024
- Stipendiary General Trainee – Intern, Intellect Design Arena Ltd.
January 2015 – April 2015

Areas of Interest

- Deep Learning (DL)
- Biomedical Image Analysis
- Cognitive Neuroscience
- Computer Vision

Certifications

- IBM Certified Academic Associate in DB2 9 – Database and Application Fundamentals.
- Business English Certificate, Cambridge ESOL Level 1 Certificate in ESOL International, Business English.
- Completed the Foundation Program under Infosys Campus Connect at R.M.D. Engineering College.
- IBM Certification: Python for Data Science, AI & Development, Coursera, 2024.
- Completed a 2-month course on “Foundational AI: Building from Scratch,” conducted by Convai Innovations Pvt. Ltd., August 2025.
- Agentic AI – Industry Training: Completed a 2-day hands-on session with industry experts at Social Eagle, April 2026.

Achievements

- GATE 2024 Qualified
- Awarded “Best Poster” at the Research Scholars’ Colloquium 2026 on Gen AI and Agentic AI, held at SSN College of Engineering, Chennai

Journal/Papers Published

- T. S. Sharmila, R. Srinivasan, K. K. Nagarajan, and S. Athithya, “Eye Blink Detection Using Background Subtraction and Gradient-Based Corner Detection for Preventing CVS,” *Procedia Computer Science*, Vol. 165, pp. 781–789, 2019. DOI: 10.1016/j.procs.2020.01.011
- “A Multifunctional Embedded-Based Bluetooth-Enabled Programmable Biphasic-Waveform Stimulator with Real-Time Neural Signal Acquisition,” September 2025. DOI: 10.3791/68837
- Athithya S., “A Review of Modalities in Neurodevelopmental Disorders: Current Perspectives on ADHD, ASD, ID, and SLD,” presented at The 7th International Conference on Innovative Trends in Information Technology (ICITIIT 2026), Kottayam, Kerala, 27 March 2026.
- Granted UK Patent titled “AI-based Personalized Student Mentoring Computer Device using Large Language Models and Risk-Based Action Routing.” Patent No.: 6459976
- Cardiovascular Risk Prediction Project in collaboration with Christ College of Engineering and Amala Institute of Medical Sciences (AIMS), guided by Dr. Ajith T. A., Department of Biochemistry, AIMR

Specialized Training

- Webinar on **“Preparation of Research Proposal,”** organized by Informatics System Division (ISD) and Library & Documentation Centre, KSCSTE, 20 December 2022.
- IEEE Training on **“IEEE Xplore,”** organized by Christ College of Engineering, July 2023.
- **Faculty Development Program on Web Development and Deployment,** conducted by Talrop at Talrop’s Techies Park, Christ College of Engineering, Irinjalakuda; **22–24 January 2024.**
- **Faculty Development Program on Natural Language Processing (NLP),** organized by Christ College of Engineering in association with International Centre for Free and Open Source Solutions; **24–28 June 2024.**
- **Faculty Development Program on Python Programming,** ICT Academy of Kerala; **1–3 July 2024.**
- **Harnessing AI for Healthcare Transformation – Indo-US Workshop 2024,** organized by the Department of CSE, IIT Hyderabad; **December 2024.**
- **Online IT Workshop,** organized in association with International Centre for Free and Open Source Solutions; **6–13 January 2025.**
- **Faculty Development Program on “Federated Machine Learning for Computer Vision and NLP,”** 40-hour online FDP sponsored by MeitY, Government of India; organized by E & ICT Academy, NIT Warangal, in association with the Department of Computer Engineering, NIT Kurukshetra; **16–25 July 2025.**
- **Symposium on Artificial Intelligence and Pharmaceutical Medicine (AIPM–India),** Indian Institute of Technology Madras; **10–11 September 2025.**
- **Faculty Training Programme on Applied Machine Learning and Deep Learning,** conducted by Intel Unnati Eco System in association with EdGate Technologies Pvt. Ltd., Bangalore; organized by the Department of Computer Science and Engineering, Christ College of Engineering; **15–19 June 2026.**