FACULTY PROFILE



Sathish R., M.E., (Ph.D.)

Assistant Professor
Department of Artificial Intelligence and Data Science
KGiSL Institute of Technology, Coimbatore
2 Web of Science Journal Papers | 3 Software Copyrights

Professional Summary

Sathish R., M.E., is an Assistant Professor in the Department of Artificial Intelligence and Data Science at KGiSL Institute of Technology, Coimbatore. He works in computer vision, deep learning and multimedia forensics, and has submitted his Ph.D. thesis in Machine Learning to Anna University. He builds practical AI systems in Python, from face detection and deepfake video analysis to real-time pose estimation, and brings this hands-on work into teaching, student mentoring and technical events.

Academic, Research & Technical Contributions

His doctoral work developed an **adaptive hybrid deep learning framework for deepfake video detection**, combining an enhanced Viola-Jones face detector, a hybrid spatio-temporal network (AHMcRAN) and an improved training optimizer (ICLO). In 2025-26 he published **two Web of Science-indexed journal papers** in KSII Transactions on Internet and Information Systems (SCI) and the Journal of Real-Time Image Processing, Springer (SCIE), where his quality-gated face detector reached a 97.2% detection rate at 23 FPS. He presented papers at **IEEE ICITEICS 2025** and **Springer MCT4SD 2025, Manila**, holds **three registered software copyrights** and has released **open-source Python packages on PyPI**. He has organised **eleven coding events and hackathons**, including HackGenius (SIH 2025) and PyExpo 2026, and delivered **six invited lectures**.

Technical Skills

Python • Deep Learning • Computer Vision • OpenCV • MediaPipe • Graph Neural Networks

Key Highlights

Area	Details
Qualification	M.E. (Software Engineering); Ph.D. (Machine Learning), Anna University - thesis submitted
Designation	Assistant Professor
Department	Artificial Intelligence and Data Science
Institution	KGiSL Institute of Technology, Coimbatore
Doctoral Research	Adaptive Hybrid Deep Learning Framework for Deepfake Video Detection
Journal Publications	2 Web of Science-indexed papers (KSII TIIS - SCI; J. Real-Time Image Processing - SCIE)
Conference Papers	IEEE ICITEICS 2025; Springer MCT4SD 2025, Manila
Software Copyrights	3 registered, plus open-source Python packages on PyPI
Hackathons & Events	11 coding events and hackathons, incl. HackGenius (SIH 2025) and PyExpo 2026
Invited Talks	6 invited lectures (2025-26)
Training	PyCon India 2025; 3 industry Faculty Development Programmes

Areas of Interest

Explainable Deepfake Forensics • Face Detection • Computer Vision • Deep Learning • Spatio-Temporal Video Analysis • Graph Neural Networks • Surveillance Analytics

Professional Vision

To contribute to quality education, student innovation, industry-oriented learning and applied research in Artificial Intelligence and Data Science by building reliable, efficient AI systems, sharing them as open tools, and guiding students to turn ideas into working products.