

Mr. M. Sakthivel

Assistant Professor | Computer Science & Engineering | AI/ML Researcher

Erode Sengunthar Engineering College (Autonomous), Thudupathi (Post), Perundurai (Taluk), Erode - 638057
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Academic Qualifications

B.E.	Computer Science and Engineering	2016–2020
M.E.	Computer Science and Engineering	2021–2022
Ph.D.	Information and Communication Engineering — Course Work Completed	July 2023

Experience

Assistant Professor — Erode Sengunthar Engineering College
03 June 2023 — Present

Research & Technology Interests

Artificial Intelligence; Machine Learning; Deep Learning; Computer Vision; Data Science; Medical Informatics; Cybersecurity; Image and Video Processing; Cloud, Fog & Edge Computing; Quantum Computing.

Research Publications

- Advancements in Disease Prediction and Diagnosis: Leveraging Linear Regression and Pattern Matching in Medical Informatics — 2024
- Establishing Accurate Machine Learning Models to Support the Prediction of Prostate Cancer — 2025

Patents & Innovation

- AUTISM DETECTION USING PRE-TRAINED MODELS IN MACHINE LEARNING — Patent No. 202441059195 — 05.08.2024 — India — Published
- USER FRIENDLY ACCIDENT DETECTION FOR CYBERSECURITY USING CCTV FOOTAGES WITH AID OF CNN — Patent No. 202441041085 — 27.05.2024 — India — Published

Books & Academic Contributions

- Operating Systems — CRC — 2023
- Machine Learning Techniques for Network Analysis — PRIME — 2023
- R Programming — PRIME — 2024
- Investigating Breakthroughs at the Nexus of Research in Computer Science — PRIME — 2023
- Case Study Methodology: Comprehensive Approaches and Examples — IGI Global — 2023
- Ethical Hacking — PRIME — 2025
- Introduction Scientific International Publishing Home — 2025
- Foundations of Data Science using Python — Charulatha Publications — 2026