

# LAKSHMI M ACHAR

ASSISTANT PROFESSOR | AI & DATA SCIENCE CONSULTANT | GENERATIVE AI & ETHICAL AI RESEARCHER

## CONTACT

9535772190

lakshmimachar60@gmail.com

LinkedIn:

[www.linkedin.com/in/lakshmi-m-achar-b5a032212](https://www.linkedin.com/in/lakshmi-m-achar-b5a032212)

GitHub:

<https://github.com/Lakshmi0002>

## SKILLS

- Programming & Data:** Python, SQL, NumPy, Pandas, Sklearn, TensorFlow
- Statistics:** Descriptive, Inferential, Hypothesis Testing.
- ML Lifecycle:** Data preprocessing, EDA, model training, evaluation, inference.
- Deep learning:** Neural networks, Computer Vision, NLP, and Time Series.
- Gen AI / LLM's:** Encoder, Decoder, Transformer.
- Databases & Tools:** MySQL, MongoDB, Power BI, Tableau, Git, Jupyter, Colab.
- Frame-Works :** Flask, Streamlit.

## EDUCATION

**Master of Technology (M.tech)**  
**(Expected Jun 2026)**  
**RV University, Bengaluru**

## LANGUAGES

English Kannada Telugu

## PROFESSIONAL SUMMARY

Assistant Professor and AI & Data Science Consultant with strong expertise in Machine Learning, Deep Learning, Computer Vision, and Generative AI. Experienced in building end-to-end AI pipelines, working with CNNs, transformers, and LLMs, and conducting applied research in bias detection and ethical AI. Proven academic leader and industry practitioner with experience delivering real-world AI solutions and training 1,000+ professionals across academia and industry.

## WORK EXPERIENCE

**ST. CLARET COLLEGE (AUTONOMOUS)**

AUG-2025 TO PRESENT

Assistant Professor & Chairperson - AIML

- Leading the AIML department as Chairperson, overseeing curriculum design, academic planning, and departmental strategy.
- Actively involved in research on Generative AI, LLMs, bias detection, and ethical AI.
- Guiding student projects focused on applied AI problem-solving and research methodologies.

**SKILLFLOOR SOLUTIONS - Bengaluru, India**

2023 - 2025

Consultant – AI & Data Science SME

- Designed, trained, and fine-tuned AI and deep learning models for real-world applications.
- Built computer vision pipelines for facial expression recognition as part of mental health analysis systems.
- Delivered corporate training programs, FDPs, and workshops; trained 1,000+ professionals.

## PROJECTS & RESEARCH

1. Mental Health Analysis using Computer Vision & EEG
  - Developed AI models combining facial expression recognition and EEG signal analysis.
2. Bias Detection and Mitigation in LLM-Based Systems
  - Focused on ethical, fair, and inclusive AI for adaptive learning platforms.

## CONFERENCE PRESENTATION

**"Towards Fair and Inclusive AI Education: A Review of Bias in LLM-Based Adaptive Learning Systems"**

2nd International Conference on Electronic and Photonic Integrated Circuits  
SRM University-AP, Andhra Pradesh, India