

# SARAN G

## PROFILE

AI & Data Science undergraduate with hands-on experience in deep learning, speech recognition, and distributed AI systems. Skilled in fine-tuning transformer models (Whisper, Hugging Face) and building real-world ML systems. Actively exploring edge AI and efficient inference architectures for low-resource environments. Seeking AI Research Internship opportunities.

## CERTIFICATION

- AI Learnathon and Data Analysis in MATLAB
- Infosys Springboard: Python and Java

## AREA OF INTERESTS

- Deep Learning
- NLP & Speech Processing
- EdgeAI Systems
- □Distributed AI Architectures

## SKILLS

- Python
- Transformers
- TensorFlow
- Pandas
- NumPy
- Deep Learning Algorithms
- NLP Techniques
- Computer Vision
- Scikit-learn
- Jupyter Notebook

## FEATURED

- KSRCT Coders Club Student Mentor
- Member in DIVI a Humanoid Robot Project
- [Certifications](#) | [Competitive profile](#)

## WORK EXPERIENCE

### AI Research Intern – IGrad Labs

Oct 2025 – Dec 2025

- Developed a computer vision model to detect cricket umpires in match footage using RoboFlow.
- Implemented automated highlight segmentation pipeline reducing manual editing effort by 50%.
- Achieved 90%+ detection accuracy on validation dataset.

## RESEARCH WORK

Universal Processing Unit (UPU) – Research Project -PRESENT

- Designed distributed inference architecture to enable billion-parameter models on low-end devices.
- Focused on minimizing latency and hardware constraints for scalable AI deployment

## EDUCATION

### Bachelor of Technology in Artificial Intelligence and Data Science

K S RANGASAMY COLLEGE OF TECHNOLOGY

NOV 2023 – MAY 2027

CGPA : 7.85 (Till 5th Semester)

## PROJECT

- Cricket Application-Anna University - [Link](#)
- Finetuned Whisper ASR Model for Tamil-WER 70
- Hyper parameter model on Edge Computing-UPU
- Gender classifier Using Regional Name-NIC
- News Aggregate Application