

Starow Cynthia S

✉ starowc@gmail.com ☎ +91 9360366103 📍 Bengaluru

SUMMARY

AI & ML specialized Electronics and Communication Engineering undergraduate with hands-on experience in training, testing, and evaluating ML/DL models. Proficient in Python, TensorFlow, and NumPy with a strong foundation in data preprocessing, feature engineering, and image processing. Adept at researching new AI algorithms and tools, with excellent analytical and problem-solving skills. Eager to contribute to real-world AI projects and collaborate with cross-functional teams to enhance model performance and automate workflows.

EXPERIENCE

Machine Learning Intern – Internz Learn 2025

- Assisted in training, testing, and evaluating machine learning and deep learning models on real-world datasets, performing data cleaning, preprocessing, and feature engineering to improve model accuracy and reliability.

EDUCATION

GITAM (Deemed to be University), Bengaluru – Bengaluru Jul 2026

B.Tech - Electronics & Communication Engineering (AI & ML Specialization)

CGPA: 8.01

CERTIFICATIONS

Machine Learning Internship Certificate – Internz Learn 2025

GITAM University Internship Certificate – GITAM University 2025

TechNirvana Certification – TechNirvana 2024

Embedded Developer Virtual Intern – Microchip | AICTE–EduSkills | 2023

SKILLS

Python, TensorFlow, NumPy, Raspberry Pi, Deep Learning, Signal Processing, MATLAB, Keras, Spyder, Machine Learning, Image Processing, Pytorch, Scikit-learn

PROJECTS

Image Enhancement and Quality Assessment (Capstone)

- Developed and optimized an image enhancement pipeline combining White Balancing, LAB CLAHE, Sharpening, and DCP dehazing techniques, evaluated across 18 pipeline configurations. Achieved top UIQM score of 23.05 (UICM: 25.5, UISM: 7.91, UIConM: 154.2), demonstrating significant improvement in degraded image clarity using MATLAB and Python.

Raspberry Pi-Based Image Enhancement using Deep Learning

- Designed and implemented a real-time image enhancement and turbidity classification system on Raspberry Pi by integrating a camera module with an edge-based processing pipeline. Evaluated CNN (89% accuracy) and MobileNetV2 with transfer learning (93% accuracy) for classifying low, medium, and high turbidity levels, optimizing for efficient, lightweight deployment on resource-constrained hardware.

Audio Classification using Machine Learning

- Developed and evaluated audio signal classification models using Python and MATLAB, performing preprocessing, feature extraction (MFCC, ZCR), model training, and performance evaluation. Compared ML (SVM, KNN, Decision Tree, Random Forest, Naïve Bayes) and DL (ResNet-18, VGG16, MobileNetV2, Custom CNN) models, achieving up to 83% classification accuracy.

LANGUAGE

English (Fluent), Tamil (Fluent), Malayalam (Conversational)