

SAHANA YARRAMSETTI

CONTACT

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TECH SKILLS

- **Programming:** Python, C
- **AI / ML:** Machine Learning, CNNs, Transfer Learning, Model Evaluation, Hyperparameter Tuning
- **Computer Vision:** Image Classification, Emotion Recognition, Data Augmentation
- **Frameworks & Tools:** PyTorch, TensorFlow, TorchVision, OpenCV, NumPy, Pandas, Matplotlib, Google Colab, GitHub, VS Code.
- **Soft Skills:** Collaboration, Teamwork, Communication

CERTIFICATIONS

- Fundamentals of Artificial Intelligence – Qualcomm

LANGUAGES

- English, Telugu

PROFILE

Motivated Electronics student with a keen interest in Machine Learning, aiming to start a career as a ML Engineer where I can apply my analytical skills, programming expertise, and understanding of signal processing to contribute to AI-driven projects while continuously learning and growing.

EDUCATION

B.Tech - Electronics & Communication Technology

2022 - Present

Sasi Institute of Technology and Engineering (SITE)

GPA: 8.04

PROJECTS

Fruit Classification using ResNet18 (Transfer Learning)

- Built and fine-tuned a ResNet18-based image classification model on a multi-class fruit dataset.
- Performed data preprocessing, augmentation, and iterative optimization.
- Achieved 92% accuracy on unseen test images.
- Conducted error analysis to improve generalization.

Technologies Used: Python, PyTorch, TorchVision

GitHub: [click here](#)

Emotion Recognition System (Ongoing)

- Developing a CNN-based emotion recognition model using the FER2013 dataset.
- Achieved 87% accuracy, with ongoing experimentation to further improve performance.
- Working on large-scale image preprocessing and hyperparameter tuning.
- Implementing real-time emotion detection using TensorFlow and OpenCV.

INTERNSHIP EXPERIENCE

AI/ML Intern — 3Skills (Online)

- Worked on machine learning fundamentals and CNN-based models.
- Applied theoretical concepts to real-world datasets and use cases.

Front-End & UI Development Intern — SSIT Solutions Pvt. Ltd.

- Created mobile-responsive and user-friendly layouts.
- Utilized HTML5 and CSS3 for web development projects.

Embedded Systems Intern — Microchip (EduSkills & AICTE)

- Completed hands-on industry training.
- Earned APSCHE SkillDzire Certification.