

# SASIDHAR A

## AI/ML Intern | Data Science Enthusiast

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## PROFESSIONAL SUMMARY

Motivated and passionate AI/ML student seeking an internship opportunity to apply and expand my knowledge in machine learning, data science, and computer vision. Skilled in Python, PyTorch, and TensorFlow with hands-on experience developing healthcare-focused deep learning models. Eager to contribute to real-world projects, collaborate with professionals, and continue learning through practical problem-solving..

## SKILLS

### TECHNICAL SKILLS:

- **Programming Languages:** Basic Python and SQL
- **Data Analytics :** Pandas, NumPy, Matplotlib, Seaborn, EDA, Data mining
- **Web Development:** HTML, CSS, JavaScript
- **Machine Learning Frameworks:** TensorFlow, scikit-learn, PyTorch
- **Core Concepts:** Data Analysis, Data Structures and Algorithms, Operating Systems
- **Tools & Technologies:** Git & GitHub, PowerBI, Tableau, Excel - Learner
- **Databases:** SQL Queries, Relational Database Concepts,,MongoDB

### SOFT SKILLS:

Communication, Problem Solving, Logical Thinking, Analytical Thinking, Leadership, Teamwork

## EDUCATION

### RAJALAKSHMI INSTITUTE OF TECHNOLOGY

SEPT 2023 – JUNE 2027

THIRUVALLUR, TN

Bachelor of Technology in Artificial Intelligence and Data Science

Cum GPA: 7.80

### MAHATMA MONTESSORI SCHOOL

JUNE 2021 – JUNE 2023

MADURAI, TN

12th Grade - 70%

10th Grade - PASSED

## EXPERIENCE

### Social media head & Developer – RADAR Centre | AI in Healthcare

MAY 2025 - PRESENT

- Developed and applied **machine learning** models to **medical datasets** to identify liver disease risk.
- Transformed complex **health data** into **actionable insights**, reducing diagnosis time by 40%.
- Led **data engineering** and cross-functional collaboration to develop scalable **health AI** solutions.

## PROJECTS

### GitHub Repo : <https://github.com/sasidhar-sys>

### LUNG-CANCER DETECTION

MAY 2025 – JUN 2025

- Collected, cleaned, and augmented lung X-ray datasets to strengthen model performance for cancer detection.
- Built and fine-tuned an EfficientNet-based CNN model, reaching 91%+ accuracy in classifying lung cancer cases.
- Enhanced interpretability and reliability by integrating Grad-CAM visualizations and probability-based diagnostic suggestions.

### ESOPHAGEAL-CANCER DETECTION

JUNE 2024 – OCT 2025

- Pre-processed and augmented esophagus CT scan images to enhance model training for cancer detection.
- Trained an EfficientNet CNN model, achieving high accuracy in detecting esophageal cancer from medical images.
- Improved diagnostic speed and accuracy, supporting healthcare professionals with AI-driven cancer predictions.

## ACHIEVEMENTS AND CERTIFICATIONS

2024 - MongoDB for NoSQL | MongoDB University

2025 - Python Programming Workshop | Top Engineers

2025- Python for Data Science| Great Learning

2025 -Online Internship Training Program Completion | SSS Group of Companies

2025 - The Complete Python Bootcamp From Zero to Hero in Python | Udemy