

SASIDHAR A

AI/ML Engineer | Data Science Enthusiast

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PROFESSIONAL SUMMARY

A results-driven AI/ML enthusiast with strong programming skills in Python, SQL, and hands-on experience using TensorFlow, PyTorch, and scikit-learn. Proficient in data analytics and visualization with tools like Pandas, NumPy, and Matplotlib to uncover data-driven insights. Well-grounded in data structures, and relational databases, with practical exposure to projects in healthcare and agriculture. A quick learner and effective team player with strong problem-solving and communication skills, eager to contribute to impactful AI solutions.

SKILLS

TECHNICAL SKILLS:

- **Programming Languages:** Python, 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
- **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/whoissasi>

AGRI GURU – CROP RECOMMENDATION SYSTEM

MAY 2025 – JUN 2025

- Collected and processed satellite-based datasets including soil type, rainfall, and temperature to build a location-specific crop recommendation model.
- Trained machine learning algorithms (e.g., Random Forest, Decision Tree) to predict the most suitable crops with over 90% accuracy across diverse agro-climatic zones.
- Enabled data-driven agricultural decisions, potentially improving crop yield by 20–30% and optimizing resource use for farmers.

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