

# SRIVASTHAN V A

+91 8608709036  
srivas71825@gmail.com  
github.com/sri718  
Cuddalore, Tamil Nadu, India



## PROFESSIONAL SUMMARY

AI & Data Science graduate with strong foundation in Python, Java, SQL, and Machine Learning. Experienced in building end-to-end ML models with real-world datasets. Seeking an entry-level software role to contribute technical expertise and grow in a professional environment.

## TECHNICAL SKILLS

**Programming:** Java, Python  
**Database:** SQL, MySQL  
**Machine Learning:** Scikit-learn, Pandas, NumPy, Regression, Classification  
**Tools:** Git, Arduino  
**Concepts:** OOP, SDLC, Testing

## EDUCATION

**Sri Sairam Engineering College, Chennai** 2020 – 2024  
B.Tech – Artificial Intelligence & Data Science | **CGPA: 8.7**

**ARLM Matriculation Higher Secondary School** 2017 – 2020  
HSE & SSLC | **85.6%**

## PROJECTS

**Crop Recommendation & Yield Prediction System** *Python, Scikit-learn, Pandas*

- Developed an integrated ML system to recommend optimal crops and predict expected yield based on soil and climate parameters.
- Performed feature engineering, model training, and hyperparameter tuning to improve prediction accuracy.
- Implemented classification for crop selection and regression model for yield estimation.

**Trolley Detection System** *Python, YOLO, OpenCV*

- Built a real-time object detection model using YOLO to detect shopping trolleys with high accuracy.
- Used OpenCV for image processing, bounding box rendering, and performance optimization.

## EXPERIENCE

**Testing Intern – All Pro Trainings** 2022

- Worked on STLC process, created and executed test cases, and reported defects.

**Robotics Intern – Kodacy** 2023

- Integrated sensors using Arduino and implemented automation-based mini projects.

## PUBLICATIONS & CERTIFICATIONS

**Publication:** Crop Recommendation and Yield Prediction using ML – IJPREMS Journal  
**Certifications:** Machine Learning (Coursera), Arduino (Spoken Tutorial), Patent Creation & HCI (NPTEL)

## SOFT SKILLS

Problem Solving | Collaboration | Adaptability | Communication