SRIVASTHAN V A

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Cuddalore, Tamil Nadu, India

PROFESSIONAL SUMMARY

AI & Data Science graduate with hands-on experience in Python, Java, SQL, and Machine Learning. Strong foundation in software development and real-world project implementation. Seeking an entry-level role to apply technical skills and grow within a professional team environment.

TECHNICAL SKILLS

Programming Languages: Python, Java

Database Management: SQL, MySQL

Machine Learning: Scikit-learn, Pandas, NumPy, Supervised Learning, Feature Engineering

Web Technologies: HTML, CSS, JavaScript (Basic)

Tools & Platforms: Git, GitHub, Arduino

Core Concepts: Object-Oriented Programming (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 | **Result: 85.6%**

PROJECTS

Crop Recommendation System   *Python, Scikit-learn*
- Developed a machine learning model to recommend optimal crops based on soil and climate parameters.
- Conducted hyperparameter tuning and built a user-friendly interface for result visualization.

Yield Prediction System   *Python, Pandas*
- Engineered a predictive model to estimate crop yield using regression and historical datasets.

Trolley Detection System   *Python, YOLO, OpenCV*
- Built a computer vision model using YOLO to detect shopping trolleys in images with high accuracy.
- Used OpenCV for image processing, bounding box drawing, and result visualization.

EXPERIENCE

Testing Intern – All Pro Trainings   2022
- Gained expertise in STLC; authored and executed test cases and documented defects.

Robotics Intern – Kodacy   2023
- Integrated sensors with Arduino programming for automation-based hardware projects.

PUBLICATIONS & CERTIFICATIONS

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

SOFT SKILLS

Problem Solving | Collaboration

Adaptability | Communication