

SARAN S

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PROFILE SUMMARY:

Enthusiastic AI & ML undergraduate with a solid foundation in machine learning, data preprocessing, data analytics, and data visualization. Proficient in Python and Java, with hands-on experience in building end-to-end AI projects, predictive models, and research-oriented applications. Also skilled in web development, combining front-end and back-end technologies to deliver responsive, user-friendly solutions. Committed to solving real-world problems through continuous learning, innovation, and effective collaboration.

PROJECTS

- ◆ **Energy Consumption Prediction** Ongoing
Built an end-to-end time series model to forecast electricity usage, enhancing energy management. Designed an interactive Streamlit dashboard for real-time visualization. *(Python, Streamlit, Pandas, Scikit-learn, ARIMA, LSTM)*
- ◆ **Used Car Price Prediction** December - 2024
Built regression-based machine learning models to predict used car and house prices, delivering data-driven valuation insights. Performed data cleaning, feature engineering, and exploratory analysis.
(Python, Pandas, Scikit-learn, Linear Regression, Random Forest, XGBoost)
- ◆ **Agro-Based Crop Recommendation and Advisory** Feb 2025 – March 2025
Developed a smart, bilingual agro-advisory web application powered by the Gemini API. The system recommends suitable crops and delivers contextual agricultural guidance based on user queries and location data. It provides natural language responses in text formats. *(Streamlit | Python | Gemini API | Text-to-Speech)*
- ◆ **Prelogic Tech – Company Website** Jan 2025 – Feb 2025
Built a responsive website for a newly established IT consultancy company to enhance online presence and client engagement.
(HTML, CSS, Bootstrap, JavaScript, MongoDB, Node.js)

INTERNSHIP:

- Google AI-ML Virtual Internship** Apr – Jun 2025
EduSkills Virtual Internship Program with Google for Developers
Completed with an excellent(E) grade. Gained practical experience in Python, machine learning, and data analysis, focusing on real-world AI applications and predictive modeling.

EXPERTISE:

Programming Languages: Python (Pandas, Numpy, Scikit-learn) | Core Java
Web Technology: HTML, CSS, Bootstrap, JavaScript, MongoDB
Data Analytics: Power BI, MS Excel
Design Tools: Figma | Blender | Canva
Other Tools: Google - colab | Jupyter Notebook | MATLAB

EDUCATION:

BE-Artificial Intelligence and Machine Learning Expected Graduation : May 2026
K.S.Rangasamy College of Technology-Tiruchengode Current CGPA : 8.31 / 10
HSC 2019 - 2020
Govt Boys Higher secondary School - Mathur Percentage - 70

CERTIFICATIONS:

NPTEL - Data Analytics with Python
Coursera - Python Packages for Data structure
Coursera - Deep learning and Reinforcement learning
GUVI - Practical Machine Learning
NPTEL - C Programming

AREA OF INTEREST:

Data Science, Machine Learning, Data Structures.

HOBBIES:

Exploring AI tools, Problem solving.