

SARAN K

Aspiring Data Scientist

CONTACT

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 [Portfolio](#)  [Github](#)  [LinkedIn](#)

PROFILE

Electrical Engineering graduate transitioning into Data Science with a strong analytical and technical foundation. Skilled in Python, SQL, and data analysis with growing expertise in visualization, machine learning, and deep learning using PyTorch across applications including CNN. Passionate about leveraging data-driven insights to solve real-world problems. Committed to continuous learning and hands-on project experience in analytics and data science.

PROJECT

Portfolio - [Projects](#)

Job Placement Prediction System [Github](#)

Built an ML-based web app using Streamlit to predict candidate job acceptance. Implemented data preprocessing, feature engineering, and Random Forest model. Integrated MySQL for data storage and created interactive dashboards using Plotly. Optimized performance with caching techniques.

App User Behavior Segmentation [Github](#)

I built an end-to-end App User Behavior Segmentation system that automatically classifies mobile app users into Casual Users and Power Users using unsupervised machine learning — and surfaces the insights through a rich, interactive dashboard.

NutriClass — Food Classification System [Github](#)

Developed NutriClass, an ML-powered food classification app that predicts food type from nutritional input using a Random Forest Classifier with imbalance-aware training (RandomUnderSampler) and a full preprocessing pipeline. Built a two-page Streamlit dashboard displaying live model KPIs and Top-5 food predictions with probability scores and visual image cards.

Online Food Delivery Analysis [Github](#)

Online Food Delivery Analysis is a data-driven platform that evaluates customer orders, restaurant performance, delivery efficiency, and revenue trends. It delivers actionable insights through interactive visualizations to optimize operations, boost profitability, and enhance customer satisfaction.

EDUCATION

Government college of engineering, Dharmapuri

BE electrical and electronics engineering

2021 - 2025

School Education

Sree Vetri Vikas Matric Hr. Sec School, Molayanur (12th)

2021

Kalam International School, Dharmapuri (10th)

2019

SKILLS

- Languages : Python , SQL ,Machine Learning , Deep Learning
- Technical Skills : Data Preprocessing , Data Visualization:
- **Databases** : MySQL , Postgresql .
- **Frontend** : HTML, CSS ,Streamlit
- Tools : Git , VS Code , Firebase .
- Libraries & Frameworks : Pandas , Numpy , Matplotlib , Skit-learn
Seaborn , Plotly , PyTorch
- Visualization Tools : Powerbi , Tableau , Excel .
- Technical Profiles : Portfolio , Codekata , HackerRank .

CERTIFICATION

- Python
- SQL
- Powerbi
- Ms Excel
- Tableau