

SARASWATHI SUBBAIAH

Email:saraswathisubbaiah02@gmail.com | Location: Tirunelveli, Tamil Nadu
LinkedIn:linkedin.com/in/saraswathis02/ | GitHub:github.com/Saras-git/ | Phone: 6369033799

CAREER OBJECTIVE

Aspiring Machine Learning Engineer with strong skills in Python, SQL, data analysis, and machine learning model development. Experienced in data preprocessing, visualization, and building ML-based applications. Seeking placement opportunity to contribute to real-world AI/ML solutions while continuously enhancing my technical expertise and practical skills.

EXPERIENCE

In-Plant Training | ISRO Propulsion Complex (IPRC)

Duration: 2 Weeks (Offline)

- Analyzed aerospace propulsion system data from 5+ engine testing procedures and monitored real-time performance parameters during testing operations.

Industrial Training | Technohacks Edutech

Duration: 1 Month (Online)

- Performed data preprocessing and exploratory data analysis (EDA) and generated interactive dashboards using Python and Power BI.

EDUCATION

Francis Xavier Engineering College

B.Tech in Artificial Intelligence & Data Science **(2022-2026)**

CGPA: 8.9/10

Reach Matric Higher Secondary School

HSC – Percentage: 86% **(2021-2022)**

SSLC – Percentage: 75% **(2019-2020)**

PROJECTS

- Real-Time AI System for Social Media Sentiment Analysis:** Established a deep learning-based system to analyze and visualize real-time social media sentiment trends for actionable insights.
- Power BI Dashboard for Global OTT Trends:** Developed an AI-driven platform to analyze OTT content data, perform sentiment analysis, and visualize predictive insights through interactive dashboards for data-driven decisions.
- Organ Compatibility Prediction System:** Built an AI-based system to automate donor-recipient matching using Random Forest, centralized medical data, and real-time alerts to improve transplant coordination and accuracy.
- Crop Yield and Plant Growth Prediction (Mini Project):** Enhanced a Streamlit web application integrating multiple machine learning models to predict crop yield and plant health using environmental data.

TECHNICAL SKILLS

- Programming & Databases:** Python (Pandas, NumPy, Scikit-learn), C, SQL
- Machine Learning:** Regression, Classification, Clustering, Model Evaluation, Model Deployment
- Data Visualization:** Power BI, Matplotlib, Seaborn, Rapid Miner
- Tools & Platforms:** Google Colab, VS Code, Git, Streamlit, AI Tools
- Web Development:** HTML, CSS, JavaScript, Flask, Node.js

SOFT SKILLS

- Analytical Thinking, Team Collaboration, Communication, Leadership

CERTIFICATIONS

- Business Intelligence using Power BI – **Skill Nation**
- Joy of Computing using Python—**NPTEL**
- Python: A Practical Approach —**Udemy**