

# SWETHA R

Aspiring Data Scientist | AI Enthusiast | Python Developer

✉ swethavanitha173@gmail.com ☎ 9363997943 📍 3/21 bharathi nagar vellakapathi arabic college back Salem

🌐 github.com/Swetha1928 🌐 www.linkedin.com/in/swetha172-r 📅 20/02/2004

## 🔧 PROFESSIONAL SUMMARY

Detail-oriented **Data Scientist** with expertise in **Python**, **machine learning**, and **data visualization**. Skilled in **data preprocessing**, **feature engineering**, and deploying **AI solutions**. Proven ability to enhance model accuracy and **support data-driven decisions**. Seeking to contribute to innovative projects in a challenging environment.

## 🔧 TECHNICAL SKILLS

### Programming & Tools:

Python, Jupyter Notebook, Google Colab, Flask, Git, Pandas, NumPy, Scikit-learn, Tensorflow

### Machine Learning:

Data Preprocessing, Feature Engineering, EDA, Regression, Classification, Model Evaluation

### Visualization & BI Tools:

Power BI, Tableau, MS Excel, Matplotlib

### Technologies:

Machine Learning, Deep Learning, Gen AI, Hugging Face, Ollama

## 📁 PROJECTS

<b>Skin Disorder Classification, CNN</b> 🔗 <ul style="list-style-type: none"><li>Built multi-class CNN achieving 9% improved accuracy.</li><li>Automated images cleaning, augmentation, and training workflow.</li></ul>	11/2025 – 11/2025
<b>Earthquake Damage Prediction, Python</b> 🔗 <ul style="list-style-type: none"><li>Earthquake Damage Prediction, Python</li><li>Built Random Forest classifier achieving 87% accuracy with strong EDA.</li><li>Improved precision and recall using class balancing and tuning.</li></ul>	11/2025 – 11/2025
<b>Custom Knowledge Base Chatbot  Streamlit, Python, Google Gemini AI, Pandas, Matplotlib, Seaborn</b> <ul style="list-style-type: none"><li>Built an AI-driven Streamlit web application to analyze, clean, and visualize tabular data (CSV/Excel).</li><li>Integrated Google Gemini model to provide conversational data querying and automated insights .</li></ul>	03/2025 – 05/2025
<b>Rice Leaf Disease Detection, CNN</b> <ul style="list-style-type: none"><li>Implemented tensorflow, CNN by achieving 92% validation accuracy through augmentation.</li><li>Designed structured data preprocessing and image feeding pipeline</li></ul>	10/2025 – 10/2025

## 📁 PROFESSIONAL EXPERIENCE

<b>Certified Data Scientist Trainee, Rubixe - AI Solutions</b> <ul style="list-style-type: none"><li>Completed <b>Certified Data Scientist</b> program with hands-on assignments.</li><li>Built <b>ML pipelines</b> for structured and image datasets.</li><li>Achieved <b>8-15% accuracy</b> improvements through tuning and feature selection.</li></ul>	06/2025 – 12/2025 Bengaluru, KA
<b>Professional Training-AI Engineer, Worlcohol solutions</b> <ul style="list-style-type: none"><li>Engineered <b>AI-powered Streamlit chatbot</b> that process NLP queries to perform automated <b>data cleaning, visualization &amp; exploratory analysis</b> on user-uploaded datasets.</li><li><b>Integrated Google's Gemini API</b> to drive intelligent data interactions, enabling features like <b>context-aware dialogue, imputation, outlier detection &amp; dynamic report generation</b>.</li></ul>	01/2025 – 06/2025 Remote, Chennai

## 📁 EDUCATION

<b>B.Tech – AI &amp; Data Science, Dhirajlal Gandhi College of Technology</b> Aggregate-7.6	2021 – 2025 Salem
<b>HSC, Ramakrishna Sarada Matric Higher Secondary school</b> Aggregate-75%	2020 – 2021 Salem
<b>SSLC, Golden Spark Matric Higher secondary school</b> Aggregate-71%	2019 – 2020 Salem

## 📁 CERTIFICATES

AI Engineer — Workcohol | Python for Data Science — IBM SkillsBuild | SQL Intermediate — HackerRank