Kamatham Navya Sree

📍 Hyderabad, India

📞 +91-8309378943

✉ kamathamnavyasree@gmail.com

Professional Summary

I am a recent Computer Science and Engineering graduate with a strong foundation in key technical skills. My primary expertise lies in SQL, particularly with Snowflake Database, where I excel in data management and querying. I am proficient in Python, leveraging it for scripting and problem-solving. Additionally, I have a solid understanding of HTML, CSS, and JavaScript basics, enabling me to build functional and visually appealing web interfaces. As a fresher, I am eager to apply my skills, learn new technologies, and contribute effectively to innovative projects.

Technical Skills

Programming Languages: Python, SQL, JavaScript

Big Data & Cloud: AWS, Snowflake

Web Technologies: HTML, CSS, JavaScript

Certifications

AWS Certified (Details can be expanded if available)

Education

Bachelor of Technology (B.Tech) in Computer Science

ICFAI Business School, Hyderabad

CGPA: 7.0 | Expected Graduation: 2026

Class XII – Board of Intermediate Education, Andhra Pradesh

Year of Passing: 2022 | Percentage: 80%

Class X – Andhra Pradesh Board

Year of Passing: 2020 | Percentage: 96%

Internship Experience

Sixpep Pvt. Ltd. — Research Intern

📅 June 2024

- Conducted in-depth research on cryptocurrency/token launchpads.
- Evaluated platforms based on success rates, credibility, supported chains, and engagement.
- Delivered strategic recommendations for platform selection aligned with project goals.

Academic Projects

Carbon Footprint Estimator

📅 Jan 2025 – Apr 2025

This project implements a regression-based Carbon Footprint Estimator to predict weekly CO_2 emissions (kg/week) based on lifestyle inputs: diet, transport, and electricity usage. The model is built using Python and Scikit-Learn, with an optional Streamlit interface for user interaction.

Dataset Used

Synthetic Dataset: Generated 1000 samples with the following features:

Diet: Categorical (vegan, vegetarian, omnivore) mapped to CO_2 factors (0.5, 1.0, 2.0 kg/day).

Transport: Weekly distance (0-100 km) and mode (car: 0.2 kg/km, public: 0.1 kg/km, walking: 0.0 kg/km).

Electricity Usage: Weekly consumption (10-100 kWh) with a CO_2 factor of 0.5 kg/kWh.

Target: Weekly CO_2 emissions (kg), calculated as diet_co2 * 7 + transport_co2_factor * distance + 0.5 * electricity_kwh.

Approach Summary

Data Preparation: Created a synthetic dataset with realistic CO_2 emission factors.

Preprocessing: Encoded categorical variables (diet, transport mode) and scaled features using StandardScaler.

Modeling: Trained a Linear Regression model (optionally, Random Forest) to predict CO_2 emissions.

Evaluation: Computed Mean Squared Error (MSE) to assess model performance.

Visualization: Generated a scatter plot of actual vs. predicted CO_2 emissions.

UI (Optional): Built a Streamlit app for users to input lifestyle data and estimate CO_2 emissions.

Hosting: Code can be run in Google Colab or locally; Streamlit app deployable via Streamlit Cloud.

Dependencies

Python 3.8+

scikit-learn (for modeling)

pandas (for data handling)

numpy (for numerical operations)

matplotlib (for visualization)

streamlit (for optional UI)

Install dependencies:

pip install scikit-learn pandas numpy matplotlib streamlit

Usage

Run the Jupyter notebook (carbon_estimator.ipynb) in Google Colab or locally to train the model and visualize results.

For the Streamlit app, save the app code as app.py and run:streamlit run app.p

Deploy the Streamlit app to Streamlit Cloud by connecting to a GitHub repository.

Languages

English (Read/Write)

Personal Details

Date of Birth: June 9, 2004

Gender: Female