Kamatham NavyaSree

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LinkedIn | GitHub | DigitalPortfolio

Professional Summary

Highly motivated Computer Science and Engineering student with a strong foundation in Data Structures and Algorithms (DSA) and proficiency in Python, SQL (specifically Snowflake Database), and JavaScript. Skilled in problem-solving, designing efficient algorithms, and developing data-driven applications using AWS and Snowflake. Experienced in collaborative projects and research internships, demonstrating teamwork and quick learning. Eager to apply technical expertise and a passion for tackling complex challenges to innovative software solutions.

Technical Skills

- **Programming Languages:** Python , SQL , JavaScript

- **Big Data & Cloud:** AWS , Snowflake

- **Web Technologies:** HTML , CSS , JavaScript

- **Concepts:** Data Structures (Arrays, Linked Lists, Trees) , Algorithms (Sorting, Searching, Regression) , Problem-Solving

- **Tools & Libraries:** Scikit-Learn , Pandas , NumPy , Matplotlib , Streamlit , Git

Certifications

- AWS Certified Cloud Practitioner

Education

Bachelor of Technology (B.Tech) in Computer Science

ICFAI Business School, Hyderabad

Expected Graduation: 2026 | CGPA: 7.2

Class XII Board of Intermediate Education, Andhra Pradesh

Year of Passing: 2022 | Percentage: 80%

Class X Andhra Pradesh Board

Year of Passing: 2020 | Percentage: 99%

Internship Experience

Research Intern

Sixpep Pvt. Ltd., Hyderabad | June 2024

- Conducted in-depth research on cryptocurrency/token launchpads , applying data structures (e.g., hash tables for platform metrics) to evaluate success rates and credibility , supported chains, and engagement.

- Collaborated with a team to deliver strategic recommendations for platform selection aligned with project goals , enhancing project alignment and stakeholder communication.

- Adapted quickly to new tools and methodologies in a dynamic, team-oriented environment.

Academic Projects

Carbon Footprint Estimator

Jan 2025 - Apr 2025

- Built a Python-based regression model using Scikit-Learn to predict weekly CO_2 emissions from lifestyle inputs (diet, transport, electricity usage).

- Designed a synthetic dataset (1000 samples) , applying data structures (e.g., dictionaries for feature encoding) and algorithms for preprocessing.

- Implemented Linear Regression and Random Forest models , optimizing performance with Mean Squared Error (MSE) and visualizing results via Matplotlib.

- Developed a Streamlit interface for user interaction , deployable on Streamlit Cloud , showcasing problem-solving and UI design skills.

- Utilized Python , Scikit-Learn , Pandas , NumPy , Matplotlib and Streamlit.