KAUSTUBH DWIVEDI

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- Portfolio Website

Junior data scientist with one year of experience working on data science projects. Passionate about finding solutions to real-world problems. Eager to learn more about new techniques and methods to solve problems. Skilled in statistics, math, machine learning, deep learning, problem-solving, and programming.

EDUCATION

Vellore Institute of Technology
Chennai| Tamil Nadu, India

BE/B.TECH: COMPUTER SCIENCE, GPA:9.15

Elementary education

BISHOP JOHNSON SCHOOL AND COLLEGE

12th -86%

10th - 87%

SKILLS

Programming Languages: Python, C, C++, Java, HTML, CSS

Data Science: NumPy, Pandas, Matplotlib, and Seaborn (for data visualization)

Scikit-learn (for model building)

Frameworks: Flask, Django, Streamlit

Data Handling: MySQL, Power BI

Certification

- AWS Academy Graduate - AWS Academy Cloud Foundations - Amazon Web Services (AWS) (2023)
- Supervised Machine Learning: Regression and Classification - Coursera (2023)
- Advanced Learning Algorithms - Coursera (In progress)

Experience

Algorithm Researcher (Jan 2023)

- Pioneered data compression research, achieving an exceptional 98% compression rate with Huffman coding and Lempel-Ziv-Welch (LZW) algorithms.
- Demonstrated the power of algorithmic synergy to improve data optimization, offering cost-effective solutions for diverse industries.
- Redefined data compression boundaries, optimizing storage and transmission efficiency, with a strong focus on real-world applications

Data Analyst - Finlatics (Dec 2022 - Feb 2023)

- Enhanced profitability for a multinational tech firm by 15% through data analysis, visualization, and Power BI usage.
- Spearheaded innovative data compression, achieving an exceptional 98% compression rate and reducing data storage costs by 20%.
- Streamlined data processing workflows, saving 30% in data preparation time and redefining data optimization standards.

Special Team Enthalpy (2023 – Present)

- Spearheaded data preprocessing and cleaning using Python and Pandas, NumPy improving the efficiency of the team's operations by 20%.
- Developed an advanced machine learning model using Scikit-learn for predicting rain probability, achieving an accuracy of 85.68%.
- Collaborated with a cross-functional team to assess environmental conditions for rocket launches, ensuring safe and efficient missions

Project

WhatsApp Chat Analyzer

- Built a Python app to analyze and visualize WhatsApp chat data.
- Provides insights such as message trends, most active users, and word clouds.
- Motivated by the desire to help users understand their chat data and identify patterns and trends.
- Impact: 100+ users have downloaded and used the application

Spam SMS Classifier

Developed a robust Spam SMS Classifier, incorporating data cleaning, EDA, preprocessing, and a user-friendly Streamlit application, achieving an impressive 99% accuracy and 98% precision in identifying spam messages.