Madala Hemasree

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Bachelor of Technology
Ravindra College of engineering for women

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EDUCATION

Ravindra College of Engineering for women   2022-26

Bachelor of Technology in computer science and engineering (Data Science)   CGPA: 8.0

EXPERIENCE

Oasis info byte data science internship   **1 Month**

Projects:

1. Iris Flower Classification: Developed a predictive model to classify Iris species using machine learning algorithms, achieving high accuracy through data preprocessing and feature selection.
2. Unemployment Data Analysis: Analysed historical unemployment data, leveraging statistical methods and visualizations to uncover trends and provide insights for policymakers.
3. Car Price Prediction: Built a regression model to predict car prices based on features like make and year, enhancing accuracy through data cleaning and feature engineering.

PERSONAL PROJECTS

Crime Data Analysis and Visualization (DSBDA-SPPU)

- Integrated and preprocessed diverse crime datasets for comprehensive analysis.
- Conducted exploratory data analysis to identify crime trends and hotspots.
- Created interactive visualizations for clear communication of insights.
- Developed a Streamlit web app for dynamic data exploration and decision support.

Multi-Scale Attention CNN for Brain Tumor Classification

- Built a deep learning model using a Multi-Scale CNN and SE Attention that can accurately identify different types of brain tumors from MRI scans.
- Enhanced the model's ability to focus on important tumor regions by using multi-scale feature extraction and attention mechanisms.
- Helped reduce the workload on radiologists by creating a fast and reliable system that supports automated diagnosis.
- Tuned the model for real-time use, ensuring it delivers consistent and accurate results across MRI images from different sources.

TECHNICAL SKILLS and INTERESTS

Languages: DSA(medium), Python, Java(basic), SQL

Tools: MS Office, PowerBI, Tableau

Libraries: Numpy, Pandas, Matplotlib

Platforms: Windows

Soft Skills: Team Management, Self-paced Learning, Leadership,Collaboration,Negotiation.

Areas of Interest: Data Science, Data Analyst, Machine Learning Engineer, Business Intelligence, Predictive Analytics, Artificial Intelligence