BALAJI C

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PROFILE SUMMARY

Proactive and analytical Data Analyst proficient in data cleaning, data visualization, and predictive analytics using Python (Pandas, NumPy), SQL, Power BI, and Tableau. Experienced in data preprocessing, exploratory data analysis (EDA), and machine learning model development for real-world projects. Passionate about leveraging data insights to support business decision-making.

EDUCATION

B.Tech:Artificial Intelligence and Data Science, CARE College of Engineering   **2021 - 2025**
Current CGPA: 8.01

Higher Secondary Certificate(12th), Native Higher Secondary School   **2020 - 2021**
Percentage: 82

Secondary School Leaving Certificate(10th), Native Higher Secondary School   **2018 - 2019**
Percentage: 76

EXPERIENCE

Data Science Intern   Jul 2023 - Aug 2023
BrainOVision Solution Pvt Ltd.   *Hyderabad, India*

- Analyzed large datasets using Python, leveraging Pandas for data handling and Matplotlib for visualization. Developed insights through data trends and patterns.

Data Science Intern   Feb 2024 - Mar 2024
OASIS Infobytes   *online*

- During my internship at Oasis Inforbytes, I worked on data science tasks like house price prediction, analyzing large datasets with Python. Using Pandas for data manipulation and Matplotlib for visualization, I derived insights from trends and patterns in the data.

SKILLS

Technical Skills:
Python(Pandas, NumPy, Matplotlib, Seaborn), Excel(Pivot Tables, VLOOKUP, Power Query), SQL), Data Visualisation Tools(PowerBI and Tableau), Data Structures and Algorithm, Machine Learning, Problem Solving.

Certifications
Internship Certificate From BrainOVision Solution and OASIS Infobytes, Python from Guvi, Sql and PowerBI from LinkedIn Learning, Excel from Naan Mudhalvan.

MAIN PROJECTS

Pothole Detection for Road Safety: Developed a real-time pothole detection system using Python and the YOLOv11 deep learning model, implementing computer vision techniques with OpenCV for image and video processing. Integrated a Python-based backend to support front-end options for photo, video, and live detection, delivering accurate pothole identification to enhance road safety and facilitate proactive maintenance.

MINI PROJECTS

Social Media Sentiment Analysis: Performed exploratory data analysis (EDA) on social media sentiment data using Python, Pandas, and Matplotlib/Seaborn to uncover trends and user sentiment patterns.

Iris Flower Classification: Built and evaluated a machine learning classification model using Scikit-learn and Python to accurately predict iris species based on petal and sepal measurements.