DEEPRAJ ARYA

Data Scientist

Entry level Data Scientist who is keen to contribute to cause. I am young, energetic and geeky individual whose desire to learn is endless

WORK EXPERIENCE

Junior Data Scientist Intern [British Airways]   Jun 2023 – Jul 2023

- Used web scraping to obtain unstructured data of British Airways 's customer evaluation and feedback to build a classification model to predict customer purchasing behaviour

EDUCATION

MSc Applied Mathematics   Jul 2021– Jun 2023
Delhi Technological University

BSc Mathematics Honours   Jul 2017—Jun 2020
University of Delhi

Intermediate [XII]   Apr 2016 – Mar 2017
SMV SVM IC, MBD, UP

PERSONAL PROJECTS

Customer Purchasing Behaiviour Prediction :
- Web scraping was used to collect unstructured data from British Airways customer's ratings and reviews and created a classification model to forecast customer's purchase habits.

Hourly Bike Rental Demand Prediction :
- Designed a project to forecast the demand for hourly bike rentals using a predictive model incorporating weather data and historical usage patterns. Forecasting can improve decision-making for the bike rental industry by enabling the best resource allocation and price modifications depending on expected demand.

Pothole Detection For Autonomous Vehicles :
- Worked on dissertation project to identify and locate potholes in roads using computer vision algorithms and Implemented YOLO series methods including yolov5, yolov7 and yolov8 and evaluated the trade-off between accuracy and speed in real time application

Restaurant Management System :
- Utilized MySql to develop a database for managing customer's orders in a restaurant setting and implemented querying functionalities to efficiently retrieve data

Music Player :
- Created a music player application using python and various libraries and leveraged Tkinter GUI builder, Pygame, graphics package and Mixer library

CERTIFICATIONS

- IBM Data Science : Databases and SQL for Data Science with Python
- IBM Data Science : Python Project For Data Science
- IBM Data Science : Python For Data Science, AI and Development
- IBM Data Science : Data Science Methodology
- IBM Data Science : Tools For Data Science
- IBM Data Science : What is Data Science
- InternShala Data Science Programm
- Excel Skills For Business : Intermediate I
- Financial Markets
- OperationsResearch 2 : Optimization Algorithms

CONTACT

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SKILLS

Data Science / Machine Learning :
- Python (Advanced)
- Supervised & Unsupervised Learning Algorithms
- Data Visualization
- Computer Vision

Mathematics :
- Linear Algebra
- Numerical Analysis
- DBMS
- Operational Research
- Statistics
- Discrete Mathematics
- Real/Complex Analysis
- ODE/PDE

Programming Languages :
- Python
- SQL
- R
- C Programming
- MaTLab
- LaTex

Python Packages / Libraries :
- Pandas, Numpy
- Matplotlib, Seaborn
- Beautiful soup
- Tkinter, Pygame, Mixer

LANG.

- ENGLISH
- HINDI