Usama Bin Atta

Junior Data Scientist

Junior Data Scientist actively seeking an internship role. Proficient in Python , I'm passionate about leveraging data for actionable insights. My expertise is in machine learning and deep learning, along with a track record of numerous Data Science projects, makes me poised to contribute effectively to your Organization.

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EDUCATION

Bachelors in Computer Science
UNIVERSITY OF GUJRAT

2019 - 2023

Courses

- Specialization in Data Science

SKILLS

Python | SQL | Numpy | Pandas | Exploratory Data Analysis | Feature Engineering | Matplotlib | Seaborn | Tableau | Machine Learning | Scikit-Learn | TensorFlow | Keras | Transfer Learning

WORK EXPERIENCE

Data Science Intern
Codsoft

09/2023 - 10/2023

Tasks

- Python
- Data Manipulation and Analysis
- Data Visualization
- Machine Learning Algorithms
- **Projects**
- CREDIT CARD FRAUD DETECTION
- TITANIC SURVIVAL PREDICTION
- IRIS FLOWER CLASSIFICATION

PERSONAL PROJECTS

BITE RIGHT

- ***FINAL YEAR PROJECT***
- **Problem Statement:** Solving the problem of identifying Halal, Haram, and Mushbooh products through ingredient scanning in the Bite Right app.
- **Approach:** Solution for Halal, Haram, and Mushbooh product identification, integrating data collection, EDA, OCR, NLP, CNN modeling and TensorFlow Lite Model. This setup enables real-time results through a user-friendly Flutter front-end design.
- **Result:** Achieved prediction accuracy of 93.3% through CNN model.

Multiple Disease Prediction

- **Problem Statement:** Enhancing healthcare with predictive models for heart disease, diabetes, and Parkinson's.
- **Approach:** Developed three distinct classification models—Logistic Regression for heart disease, SVM for diabetes, and Parkinson's prediction. These models were seamlessly integrated into a web application using Streamlit for user-friendly access.
- **Result:** Achieved high accuracy rates: 85.25% for heart disease, 77% for diabetes, and 87% for Parkinson's prediction.
- **Link:** Project Demo
- **Project Code:** Project Code

Flight Price Prediction

- **Problem Statement:** Optimizing travel plans with precise flight price predictions for cost-effective booking.
- **Approach:** Implemented Random Forest Regressor with RandomizedSearchCV for flight price prediction, seamlessly integrated into a user-friendly Flask web application.
- **Result:** Achieved prediction accuracy of 80.0%
- **Link:** Project Demo
- **Project Code:** Project Code

LANGUAGES

English
Professional Working Proficiency

Urdu
Native or Bilingual Profeciency

Punjabi
Native or Bilingual Profeciency