Python Developer/Data Analyst/ML Engineer

INDUMATHI KONDOJU

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Objective

"Motivated recent graduate with a solid background in statistical analysis and data interpretation. Seeking to leverage academic training in a Data Analyst role to deliver valuable insights and contribute to data-driven decision-making within a dynamic organization."

Skills

- SQL (SQL Server, MySQL)
- Python (Pandas, NumPy, Scikit-Learn, Matplotlib, Oops)
- Excel
- Natural Language Processing (NLP)
- Web Scrapping
- Exploratory Data Analysis (EDA)
- Spark
- Frontend Deployment: Flask, Streamlit
- Tableau
- Machine Learning
- Deep Learning
- Computer Vision (OpenCV, Media Pipe

Projects

WEB SCRAPPING– Personal Project August 2024

- Leveraged web scraping techniques to extract relevant text data, showcasing a method to handle data extraction efficiently
- The main goal of this project is to gather and organize information systematically in a single dataset
- Involves parsing multiple XML files using Python's xml.etree.ElementTree and BeautifulSoup libraries to extract and process text data
- Denoising process is applied to remove HTML tags, square bracketed content, and extra spaces. This preprocessing step ensured that the text is clean for performing Natural Language Processing tasks
- Aimed to deliver a comprehensive and reliable prediction model

CLUSTER SEGMENTATION – Personal Project July 2024

- Utilized K-means and Hierarchical clustering algorithms to segment data, enhancing the understanding and analysis of customer behaviors
- Created an interactive and user-friendly interface development using Streamlit
- Applied the Elbow method to determine the optimal number of clusters, ensuring accurate and meaningful segmentation of data points
- Employed various metrics and visualization techniques, such as scatter plots and dendrograms, to assess and interpret the quality and cohesion of the clusters

HOUSE PRICE PREDICTION – Personal Project July 2024

- Leveraged the power of machine learning to predict house prices with impressive accuracy
- Analyzed key features such as average area income, house age, number of rooms, number of bedrooms, and population
- Aimed to deliver a comprehensive and reliable prediction model

AVACADO PRICE PREDICTION – Personal Project April 2024

- Predicted avocado prices for 2015-2018 using various machine learning algorithms
- Implemented linear regression, decision tree, random forest, SVM, and KNN for accurate price forecasting
- Analyzed historical price data to train and validate the models
- Evaluated model performance and optimized parameters to enhance prediction accuracy

MACHINE LEARNING FOR WEB VULNERABILITY DETECTION DETECTION: THE CASE OF CROSS SIRE REQUEST FORGERY – College Project September 2022

- Developed a machine learning model to detect Cross-Site Request Forgery (CSRF) vulnerabilities in web applications.
- Implemented and tested multiple algorithms to improve detection accuracy and reduce false positives.
- Conducted extensive validation using real-world data to ensure robustness and reliability of the model.

Education

MSC (MATHEMATICS WITH COMPUTER SCIENCE) – BBCIT – Hyderabad, Kacheguda December 2020 – January 2023

BACHELOR OF SCIENCE IN MATHEMATICS – Sri Sathya Sai Institute of Higher Learning – Anantapur June 2017 – April 2020

Certifications

- "Introduction to Artificial Intelligence (AI)" -- Coursera
- "Programming for Everybody (Getting Started with Python)" -- Coursera
- "Learn Python Programming – Beginner to Master" -- Udemy
- "Full Stack Data Science & AI" -- Naresh I Technologies (ongoing)

Recognition & Awards

- Received Gold Medal for all rounder first topper MSc (MCs) from BBCIT
- Awarded Nipuna 2014 in Ravindra Bharathi for "Fastest Multiplication (50 Digits * 25) and secured place in Unique Book of Records

Personal Details

Father's Name : K Sri*****
Mother's Name : K La*****
Date Of Birth : 01-01-2000
Languages Known : English, Telugu, Hindi
Hobbies : Netsurfing ,Cooking ,hand embroidery

Declaration

I hereby declare that all the above mentioned information is true to the best of my knowledge.

Date:13–08–2024
Place:*******nagar.