ASHER MEHMOOD

PYTHON DEVELOPER & DATA SCIENTIST

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PROFILE SUMMARY

As an accomplished Python Developer and Data Scientist with over 1+ year of experience, I specialize in delivering impactful solutions aligned with business goals. My expertise encompasses meticulous data cleaning, insightful visualization, and advanced natural language processing, applied successfully to projects like sentiment analysis and predictive modeling for heart disease. Committed to staying current with emerging technologies, I also excel in web scraping, chatbot development, and their seamless integration, employing cutting-edge technologies for comprehensive data analysis. This commitment ensures the continuous delivery of innovative and efficient solutions at the intersection of data science and Python development.

WORK EXPERIENCE

Python Developer & Data Scientist April, 2023-Current

Pinum Cancer Hospital, Faisalabad

- Managed diverse healthcare data at Pinum Cancer Hospital using Python, ensuring seamless organization and accessibility for informed decision-making.
- Spearheaded the cleaning and transformation of healthcare data for AI initiatives at Pinum Cancer Hospital, guaranteeing data integrity and quality for advanced analytics.
- Led comprehensive Exploratory Data Analysis (EDA) initiatives using Pandas, uncovering valuable insights within healthcare datasets to enhance decision support.
- Incorporating both pretrained models and custom approaches for optimizing predictive analytics in Heart Disease Treatments.
- Applied web scraping techniques to gather relevant medical data, supporting comprehensive information retrieval for healthcare analytics and research.
- Currently working on a Intelligent Chatbot. Enhancing patient interaction and providing valuable information about cancer care services.

EDUCATION

Master of Science in Computer Science 2022-2024
University of Agriculture Faisalabad

- Year of Graduation: Currently Studying

Bachelor of Science in Computer Science 2018-2022
Government College University of Faisalabad

- Year of Graduation: 2022
- CGPA: 3.41

Intermediate of Computer Science ICS 2016-2018
Madina Group of College Faisalabad

- Year of Completion: 2018

TECHNICAL SKILLS

- Python
- NumPy
- Pandas
- Matplotlib
- Seaborn
- HTML
- CSS
- NLP
- SQL
- Exploratory Data Analysis (EDA)

LANGUAGES

English

Urdu

PROFESSIONAL SKILLS

- Strong communication skills
- Documentation
- Project management
- Time management

PROJECTS

- **Face Recognition Attendance System**

  Implemented a Face Recognition Attendance System leveraging deep learning and computer vision. This project automates attendance tracking by recognizing faces in real-time, ensuring accuracy and efficiency in the recording process.

- **Heart Disease Prediction**

  Developed a Heart Disease Prediction model utilizing machine learning algorithms to analyze medical data and predict the likelihood of heart disease. This project aims to assist healthcare professionals in early detection and intervention, contributing to improved patient outcomes and preventive healthcare strategies.

- **Sentiment Analysis**

  Conducted Sentiment Analysis project leveraging natural language processing techniques to analyze and determine the sentiment expressed in textual data. This involved classifying sentiments as positive, negative, or neutral, providing valuable insights into user opinions and feedback for informed decision-making.

- **Cancer Data Visualization**

  Developed a Cancer Data Visualization project that translates complex medical data into insightful visual representations. Using data visualization libraries, this project facilitates a clear and comprehensive understanding of cancer-related information, aiding medical professionals and researchers in deriving meaningful insights from diverse datasets.

- **Haya-Alas-Salah (Islamic App)**

  Developed "Haya-Alas-Salah," an Islamic app offering a comprehensive platform for prayer times, Quranic verses, and religious guidance. The app enhances the spiritual journey by providing users with a user-friendly interface to access essential Islamic information and resources.

- **Smart Voice Home Controlled Automation**

  Designed a Smart Voice Home Controlled Automation system, enabling users to control household devices through voice commands. This project integrates cutting-edge voice recognition technology with home automation, offering an intuitive and hands-free solution for managing smart devices within the home environment.

- **Smart Ai Assistant**

  Engineered a Smart AI Assistant, integrating natural language processing and machine learning to provide users with personalized assistance. This project enhances user interaction by understanding queries, offering relevant information, and performing tasks, showcasing the capabilities of AI in creating intelligent and user-friendly virtual assistants.

- **Snake Water Gun Game**

  Created a Snake Water Gun game, a classic and interactive console-based game. Players make choices between snake, water, and gun, and the program determines the winner based on predefined rules. This project combines programming logic with gaming elements for an enjoyable and simple user experience.