MD SHAHID AFRIDI

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Summary

As a passionate data enthusiast with skills in machine learning, data analytics, and predictive modeling, I have done a Master's in Computer Application. I am eager to bring my skills to Target's Data Science team, where I can utilize data-driven insights to contribute to the company's success.

Education

- **Maulana Azad National Urdu University, Hyderabad** *2022 - 2024*
  Master's in Computer Applications (MCA) Hyderabad , India
  - CGPA: 7.99
- **Magadh University** *2017 - 2020*
  Bachelor Of Science in Physics (B.SC in Physics) Bodh Gaya , India
  - Percentage: 61.625

Projects

- **Project A : Diabetes Prediction Using Machine Learning.** *Jan 2024 - Apr 2024*
  Tools: Python, Pandas, NumPy, Scikit-learn, Random Forest, Streamlit, Seaborn, Matplotlib, GridSearchCV, Pickle. [ ]
  - Developed a Random Forest Classifier model for predicting diabetes with a testing accuracy of 0.97 Percent and a training accuracy of 0.99 Percent.
  - Implemented data preprocessing techniques including missing value imputation, feature scaling, and outlier detection on a dataset of 20,00 records.
  - Created visualizations such as heatmaps and pair plots to gain insights from the data and evaluate feature correlations.
  - Conducted hyperparameter tuning on Decision Trees and Random Forest models to optimize performance.
  - Built an interactive web application using Streamlit for real-time diabetes prediction based on user inputs.
  - Saved the trained Random Forest model using Pickle for easy deployment and integration with the web app.
- **Project B: Book Recommendation System** *Apr 2024 - May 2024*
  Tools: Python, Pandas, NumPy, Scikit-learn, Matplotlib, Pickle, Collaborative Filtering. [ ]
  - Developed a collaborative filtering recommendation system, achieving 90 percent accuracy in recommending similar books to users based on their previous interactions.
  - Implemented a popularity-based recommender that processed over 1 million ratings from 278,858 users, filtering the top 50 books based on ratings and popularity.
  - Created visualizations such as heatmaps and bar charts to illustrate user behavior and book recommendation patterns, facilitating better understanding of user preferences.
  - Applied an API using Pickle for easy integration of the recommendation engine with other web applications, enhancing user experience by providing personalized book suggestions.

Skills

- **Programming Languages:** Python, SQL.
- **Libraries:** Numpy, Pandas, Seaborn, Matplotlib, Scikit-Learn.
- **Coursework :** Data Science, Machine Learning, Statistical Analysis, Database Management.
- **Miscellaneous:** Github, Data Analysis, Data Cleaning.
- **Soft Skills:** Critical thinking, Problem-Solving Abiility, Interpersonal skill, Collaboration.

Certifications

- **Python professional Certificate (Mindluster)** *Jan 2024*
- **Data Science with Python professional Certificate (simplilearn)** *Feb 2024*
- **SQL Certificate (Geekster)** *June 2024*