

# 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 Applications (M.C.A). 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 (M.C.A) Hyderabad, India  
◦ CGPA: 8.16

## 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.
  - 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 : Supervised Regression Price Prediction.** Aug 2024 - Oct 2024  
Tool: Python, Pandas, NumPy, Scikit-learn, Streamlit, Matplotlib, Pickle. 
  - Designed and implemented an end-to-end solution for predicting prices across multiple categories: Electronics and Vehicles.
  - Developed separate Machine Learning models (Linear Regression and Random Forest Regression) for six sub-projects, including Laptop, Mobile, Television, Camera, Car, and Bike price prediction.
  - Utilized diverse datasets from Kaggle, performing extensive data preprocessing to handle missing values, scale features, and ensure data quality.
  - Built an interactive Streamlit web application enabling real-time price prediction based on user-selected specifications.
  - Deployed the project on Render, providing seamless access for users to explore price predictions online.
- **Project C: 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.
  - 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 Ability, Interpersonal skill, Collaboration.

## CERTIFICATIONS

- **Python professional Certificate (Mindluster)** Jan 2024
- **Data Science with Python professional Certificate (simplilearn)** Feb 2024
- **SQL Certificate (Geekster)** June 2024
- **Machine Learning for Beginners Using Python (Mind Luster)** Sep 2024
- **Statistics for Data science (Great Learning)** Sep 2024

## ADDITIONAL INFORMATION

- **C.C.F.A. [ Certificate in computer Financial Accounting ] Tally (ASCENT COMPUTER)** Oct 2019