Aadhar Agarwal

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SKILLS

- **Programming Languages:** SQL, Python (Scikit-learn, NumPy, Pandas), R Programming.
- **Visualization:** Tableau, PowerBI, Matplotlib.
- **Data Modeling and Analysis:** Regression models, Classification models, Hypothesis Testing, Exploratory Analysis, Time Series Analysis, Machine Learning, Natural Language Processing (NLP), A/B Testing.
- **Other:** MS Office Suite, Azure, GitHub, JIRA, Agile, Google Analytics.

EDUCATION

The University of Iowa   May. 2023
Bachelor of Business Administration, Business Analytics, and Information Systems, Economics   **GPA 3.2**
Relevant Coursework: Computational Thinking w/ Python, Database Management w/ SQL, Information Visualization, Data Wrangling w/ R, Digital Product Management, Money Banking and Financial Markets, Global Economics

PROJECT EXPERIENCE

[Wine Quality Prediction](#): Engineered a linear regression model to identify key physicochemical properties impacting wine quality. Utilized Python's Scikit-learn and backward selection for feature optimization, boosting predictive accuracy by 7%. Employed Matplotlib for visualizing data relationships, enhancing the interpretability of quality determinants.

IMDB Data Analysis: Cleaned and preprocessed 300,000+ observations using SQL, ensuring accuracy for subsequent analysis. Implemented JOIN operations to link movie data with actor information, facilitating the identification of actors with the most appearances in critically acclaimed films.

Python cereal recommendation: Utilized Python to create a personalized cereal recommendation system, incorporating nutritional information and user ratings. Designed and implemented algorithms to assist users in finding their ideal breakfast choice based on preferences and nutritional requirements.

R IMDB Oscar significance: Created a comprehensive movie database for investigating the relationship between box office success and potential Oscar significance. Conducted regression analysis to determine if box office success correlates with an increased likelihood of winning Oscars.

Pokémon data visualization: Developed an interactive Tableau dashboard to showcase insights about the most popular Pokémon from each generation and their statistical attributes, making complex data accessible through visualization.

EXPERIENCE

UICA (CAPSTONE), Iowa City   Jan. 2023 – May. 2023
Data Analyst Team Lead
- Executed data cleaning on 350,000+ observations using MAE metrics to enhance accuracy, and developed Tableau and Excel dashboards for KPI visualization, improving allocation precision by 9%.
- Applied regression and classification models to forecast donation trends, refining scholarship allocation decisions with a 5% increase in accuracy.
- Presented impactful data-driven reports to stakeholders, contributing to a 10% increase in diversity initiatives' effectiveness.

Radiant Rising Gold, Iowa City   Aug. 2021 – Dec. 2022
Varsity Esports Athlete and Coach
- Competed in the Varsity Valorant team, achieving a top 16 placement in the Riot College Valorant League and representing the University of Iowa in national and regional tournaments.
- Secured 1st place in the Collegiate Champions League (CCL), leading the team to victory through strategic gameplay and solid team collaboration.
- Coached and mentored junior teams, fostering talent development and enhancing the team's competitive edge in regional circuits.

Bread Garden Market, Iowa City   Oct. 2018 – Jul. 2022
Barista
- Improved order fulfillment time by 10%, contributing to a more efficient and streamlined customer experience.
- Trained and mentored new barista team members, resulting in a 15% reduction in onboarding time and improved overall team efficiency.

AEP, India   Dec. 2019 – Jan. 2020
Event Manager
- Enhanced accommodation logistics by 11% and achieved 8% cost savings, leading a team of 14 to streamline transportation and security operations.
- Optimized event planning using attendee data insights, boosting event effectiveness by 14%.