

# 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.
- **Languages:** English, Hindi, Bengali.

## 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

## EXPERIENCE

**UICA (CAPSTONE), Iowa City** Jan. 2023 – May. 2023  
*Data Analyst Team Lead*

- Executed data cleaning and preprocessing on 300,000+ observations, implementing Mean Absolute Error (MAE) metrics to ensure a high level of accuracy for subsequent analyses.
- Applied regression and classification models to predict donation trends, achieving a 5% increase in accuracy for scholarship allocation decisions and optimizing program expansion strategies.
- Developed interactive Tableau and Excel dashboards, visualizing KPIs. Influenced decisions on donation allocation, donor demographics, and scholarship distribution, resulting in a 9% improvement in allocation accuracy.
- Presented impactful data-driven reports to stakeholders, contributing to a 10% increase in diversity initiatives' effectiveness.

**AEP, India** Dec. 2019 – Jan. 2020  
*Event Manager*

- Led a 14-member team, improving accommodation logistics efficiency by 11% and ensuring seamless transportation and security coordination.
- Leveraged data insights to optimize concert planning, achieving a 14% boost in event effectiveness through strategic changes based on attendee metrics and feedback.
- Ensured financial targets were met by consistently achieving 8% cost savings.

**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.

## ACADEMIC PROJECT EXPERIENCE

**IMDB Data Analysis**

- Cleaned and preprocessed 300,000+ observations using SQL, linking movie data to identify actors in critically acclaimed films.

**Pokémon data visualization**

- Developed a Tableau dashboard for Pokémon insights, making complex data accessible through visualization.

**R IMDB Oscar significance**

- Merged IMDb datasets and conducted regression analysis to explore the correlation between box office success and Oscar wins.

**Python cereal recommendation**

- Created a Python-based personalized cereal recommendation system, improving user experience with tailored breakfast choices.

## EXTRACURRICULAR ACTIVITIES AND ACHIEVEMENTS

- **E-sports at Iowa Valorant**, Ex-Varsity Player, and Coach, Ulowa
- **Collegiate Champions League (CCL) Valorant**, Winner, Ulowa
- **SQL Hackathon**, Winner, Ulowa
- **South Asian Student Alliance (SASA)**, Member, Ulowa