

RAIZY BEIGEL

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TECHNICAL SKILLS

- **Programming Languages:** Python, SQL, R
 - **Data Visualization:** Matplotlib, Seaborn, Pandas, NumPy, Scikit-learn, MySQL, tidyverse, dplyr, ggplot2, Tableau
 - **Machine Learning:**
 - Supervised Learning: Linear Regression, Logistic Regression, Decision Trees, Random Forest, XGBoost, SVM, Hugging Face
 - Unsupervised Learning: Clustering (K-Means, DBSCAN)
 - Deep Learning: CNN, RNN, Transformers
 - NLP: Tokenization, Word Embeddings
 - Model Optimization: Hyperparameter Tuning (Grid Search, Random Search, Bayesian Optimization), Cross-Validation, SMOTE
 - **Feature Engineering:** One-Hot Encoding, Feature Scaling, Missing Value Imputation
 - **Tools & Technologies:** Jupyter Notebook, Google Colab, Excel, Ubuntu, Git, GitHub, Gradio, Azure
 - **Other Skills:** Data Cleaning, Data Wrangling, EDA, Statistical Analysis (also in R- ANOVA, MANOVA, TukeyHSD, multivariate regression)
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EDUCATION

Sara Schenirer Institute, Brooklyn

Bachelor of Arts in Data Science | 2022 – 2024

Touro College, Brooklyn

Coursework in Mathematics | 2020 – 2021

PROJECTS

Customer Churn Prediction Model

- Implemented XGBoost, Random Forest, and Logistic Regression to predict customer attrition.
- Data preprocessing, feature engineering, and hyperparameter tuning.
- Evaluated models using precision, recall, F1-score, and ROC-AUC metrics.

Gradio-Based Meal Planning App

- Developed an interactive web application using Python and Gradio.
- Ensured accessibility and user-friendliness through thoughtful UI/UX design.

CERTIFICATIONS

- **##Data** | Forage | 2025
- **##Data Science for Business Part 1** | Business Science University | 2025
- **Jumpstart with R** | Business Science University | 2022

WORK EXPERIENCE

Bnos Chaya, Brooklyn

Pre-Nursery Teacher | 2022 - 2023

Braverhood, Brooklyn

FI Coordinator | 2021 - 2022

Was the primary contact for a large number of families, assisting with utilizing their Self Direction services. Advised on how best to allocate funds in the budget, reviewed legal documents for accuracy, and kept track of and recorded all the customers' paperwork. I corresponded with DSPs, Care managers, brokers, liaisons in the OPWDD offices, and more, pleasantly working alongside other FI coordinators and our supervisors. Worked extensively on Excel and Google spreadsheets.

Camp Gila, Liberty NY

Camp Office Manager | 2020

Manned the phones and was a liaison for campers' requests to head staff. Optimized efficiency of daily operations and computer systems, while maintaining pleasant atmosphere throughout.

REFERENCES

Available upon request.