Samiya Islam

🌐 https://samiyanurislam.com   ✉ samiyanurislam@brandeis.edu   in LinkedIn   📞 (857) 331 3427

EDUCATION -

M.S. in **Business Analytics (Healthcare Analytics Concentration)**, Brandeis University, Waltham, MA   August 2025- MAY 2026
B.S. in **Computer Science and B.A in Business**, Brandeis University, Waltham, MA   August 2021- MAY 2025
Certifications: Google Data Analytics Certifications, JPMorgan Chase Quantitative Research Virtual Experience Program
BCG Data Science Job Simulation Certificate   June-July 2025
- Completed a customer churn analysis simulation for BCG X Analytics, demonstrating advanced data analytics skills, identifying essential client data and outlining a strategic investigation approach.
- Conducted efficient data analysis using Python, including Pandas and NumPy.
- Completed the engineering and optimization of a random forest model, achieving an 50% recall rate in predicting customer churn.
- Completed a concise executive summary for the team, delivering actionable insights for informed decision-making based on the analysis.

WORK EXPERIENCE-

Takeda Pharmaceuticals, Cambridge, MA   *https://www.takeda.com/*
R&D AI Automation & Contracts Optimization Intern - EBM Operational Excellence   May 2025- August 2025
- Spearheaded an AI-driven initiative to **identify pricing discrepancies** between Statements of Work (SoWs) and MSA rate cards, enhancing contract compliance and operational accuracy.
- Designed and tested custom Copilot and MyAibou prompts to **automate spot price validation, improving efficiency** in procurement workflows.
- Collaborated with **cross-functional teams to analyze Vendor data** and refine prompt performance, ensuring high accuracy and minimal false positives in **OutSystems** Low Code platform app and **Copilot Notebook** that uses GenAI.
- Build multiple flows on Power Automate using Power Fx to streamline the process for Business Unit Users and developed user documentation, to support long-term tool adoption and iteration.
- Presented workflow insights and recommendations to OpEx team, contributing to ongoing efforts to **contracts data standardization & automation**.
- Engineered Proof of Concept (PoC) meetings to uncover inefficiencies in pricing workflows and apply learnings to optimize AI integration strategies.

Alkermes, Waltham, MA   *https://www.alkermes.com/*
Market Access Data Analytics Intern   May 2024 – December 2024
- Designed and deployed **an automated ETL pipeline** to refresh different pharmacy's weekly and monthly inventory, purchase and dispense data from **IntergiChain** and **IQVIA** using **SNOWFLAKE SQL** and **R**, significantly reducing manual effort by 100% and improving data accuracy by 90%.
- Transitioned data processes from EXCEL to SNOWFLAKE for scalability and wrote SQL query to calculate Genoa weekly key metrics data. Joined meetings to find reasons for discrepancies in the data.
- Designed and developed **interactive Tableau dashboards** to streamline reporting for Market Access and Trade teams, supporting ongoing training and performance needs.
- Analyzed to the **testing, feedback, and continuous improvement** of dashboards used in Market Access operations, strengthening data-driven training and onboarding efforts.
- Presented dashboards and insights to cross-functional teams and leadership, strengthening communication.

Fizz Social, New York City, NY   https://fizz.social/
Marketing Moderator/Ambassador   August 2023 – May 2024
- Acted as one of the primary platform moderators, ensuring content quality and appropriateness while maintaining a welcoming environment.
- Developed and executed creative marketing strategies to promote user sign-ups by 40%, resulting in a significant increase in Fizz's user base.
- Fostered community engagement by responding to user inquiries, addressing concerns, and enhancing user satisfaction.

Vegan Friendly, New York City, NY   *https://www.vegan-friendly.com/*
Market Research Consultant Intern   August 2023 – December 2023
- Conducted research on vegan trends, consumer preferences, new vegan products and different categories of vegan recipes to identify opportunities for growth and innovation.
- Advised clients on improving business performance by analyzing operations, profitability, management structure, and strategy, and delivering tailored recommendations to optimize efficiency and growth.
- Presenting findings and recommendations to clients about Vegan market and how to improve their business.
- Collaborated with team members to adhere client needs and ensure smooth operations.

TECHNICAL SKILLS -

Programming Languages: Python | HTML | JavaScript | R | SQL(SNOWFLAKE)| C++
Developer: Full-Stack Development (Flask) | Data Engineering | DevOps (Netlify, Heroku) | Machine Learning (Pandas, PyTorch, NumPy, Pandas, Matplotlib, Plotly, Scikit-learn)
Collaboration: GitHub, VSCode | Asana, Trello | OneNote, SharePoint, Copilot Agents | Agile, Scrum, Waterfall methodologies
PM Tools: Figma, Adobe | Power BI, Tableau | Microsoft Office

SOFTWARE PROJECTS-

GroupMatch (Facilities Service Request Tracker for College Students) [LINK]   **Tech Stack:** Figma, TS, JS, React, Node, NPM, SCSS, HTML
Fresh take on online dating. Focus on group dates- allows for safer and authentic connections.
RepairNet (Facilities Service Request Tracker for College Students) [LINK]   **Tech Stack:** EJS, TypeScript, JS, React, Node, NPM, SCSS, HTML
Built a streamlined platform for college students to request and track facility services efficiently. Moderated platform content to ensure a positive UE.

EXTRACURRICULARS -

- **TAMID GROUP at BRANDEIS (Tech Consultant):** Spearheaded the organization of 5 workshops and industry panel events, providing members networking opportunities. Collaborated with 13 members from diverse disciplines, ensuring successful deployment and fostering teamwork.
- **Academic Research Project:** Data Visualization and Analysis of Housing Inequality in U.S. [LINK]   **Tech Stack:** D3, Chart.js, Node.js, Data