

Nawal Sarwar

516-757-6082 | nawalsarwar5504@gmail.com | [Linkedin](#)

SUMMARY

Business Analyst and Data Science professional with hands-on experience in large-scale data validation, NLP research, and UX design. Skilled in Python, SQL, and Tableau, with a proven ability to turn complex datasets into clear insights and strategic decisions. Known for bridging technical and business needs to deliver measurable impact and streamlined solutions.

EDUCATION

SUNY Old Westbury

Old Westbury, NY

Bachelor of Science | GPA: 3.9

Major: Computer and information Science

Minor: Visual Arts

CERTIFICATIONS

Coursera: Microsoft Business Analyst Professional Certificate

Coursera: Essentials of Corporate Finance Specialization-University of Melbourne

Coursera: Tableau Business Intelligence Analyst Professional Certificate

EXPERIENCE

Data Science Intern

June 2025 – August 2025

Brookhaven National Laboratory

Upton, NY

- Built Python-based validation checks comparing MongoDB (NoSQL) and Postgres (SQL) outputs across 10PB of research data, increasing audit confidence in migration integrity.
- Produced weekly migration health dashboards (success vs error rates) enabling informed prioritization of fixes by leadership.
- Conducted failure mode analysis to identify and escalate top-impact issues, reducing recurring errors in subsequent migration runs.

Research Assistant

December 2023 – June 2025

SUNY Old Westbury

Old Westbury, NY

- Developed an NLP pipeline with BERT, RoBERTa, GPT models, achieving 30% higher classification accuracy in sentiment prediction.
- Presented insights weekly, influencing scope adjustments and guiding faculty research direction .

Information Technology Support Consultant

November 2023 – June 2025

SUNY Old Westbury

Old Westbury, NY

- Delivered frontline IT support to 200+ faculty, staff, and students, resolving hardware/software issues with a 95% satisfaction rating.
- Documented repeat issues into a knowledge base, reducing recurring tickets and enabling faster resolution times.

UI/UX GRAPHIC DESIGNER

June 2024 – September 2024

SkyIT

Calgary, Alberta

- Conducted usability tests and prototyped new flows in Figma, reducing user friction in client web apps.
- Standardized presentation templates and created a reusable design system, improving team efficiency and brand consistency.
- Collaborated cross-functionally with stakeholders to ensure alignment between user needs and business objectives.

TECHNICAL SKILLS

Business Analysis : Requirements gathering, KPI design, stakeholder communication, problem framing, documentation.

Data & Analytics : SQL, Python (Pandas, NumPy, Matplotlib), Tableau, Excel

UX & Product: Wireframing, usability testing, Figma prototyping, design systems

Other:Process optimization, audit support, IT troubleshooting