

# Sanjida Afreen

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## PROFILE OVERVIEW

Computer Science graduate with a strong foundation in Data Analysis, Cybersecurity, and Cloud Computing. Proficient in Python, SQL, and MS PowerBI, with a solid understanding of Big Data and Security Protocols.

## EDUCATION AND CERTIFICATIONS

**Honors Bachelor of Science, Computer Science**

*York University (Lassonde School of Engineering)*

Apr 2024

Toronto, ON

**Relevant Courses:** Database Management System, Big Data Systems, Computer Network Protocols and Applications

**Certificates:** Google Cybersecurity Professional, Microsoft Cybersecurity Analyst Professional, Developing Serverless Solutions on AWS, NoSQL and DBaaS 101, DevOps on AWS, Scrum Master

## WORK EXPERIENCE

**Data Analyst - Program Assistant** | York University

Toronto, ON | Mar 2024 - Present

- Designed and implemented 5 advanced **Power BI** dashboards, enhancing feedback analysis efficiency by 40%, tracking student employment trends over 5 years to highlight a 700% program growth, and boosting job posting visibility by 25%.
- Conducted **Microsoft Forms** to collect detailed insights on student and employer satisfaction, utilizing **Microsoft Excel Power Query** for data transformation and **DAX** for sophisticated data modeling and analysis.
- Created and maintained **SharePoint sites** and lists as data sources for Power BI dashboards, enabling nightly refresh and automation to ensure up-to-date and accurate reporting.

**Data Analyst Intern** | TC Energy

Calgary, AB | May 2022 – Apr 2023

- Built 6 **Power BI** dashboards handling over **3M** rows per dataset in collaboration with the Product Delivery team and integrated data from **Amazon Redshift** for enhanced performance.
- Mastered **DAX**, **SQL**, and **Power Query** to boost data analysis and visualization efficiency.
- Resolved over 80 IT service requests via **ServiceNow**, improving response times and user satisfaction, with proficiency in QA testing and validation environments.
- Developed Canvas and Model-Driven **Power Apps** for streamlining licensing processes for **Liquid Pipelines** business, improving their efficiency by 40% through **PowerAutomate** workflow solutions.
- Ensured high data security in Power Platform development, aligning with industry compliance standards.
- Integrated multiple data sources, including **Dataverse** and **SharePoint** to deliver enhanced and comprehensive data-driven user experiences.

**Cloud Developer Intern** | TC Energy

Calgary, AB | Jan 2022 – May 2022

- Developed web applications using **AWS Amplify**, **React**, **Lambda (Python)**, and **API Gateway**, following **Agile** methodologies and **Azure DevOps** for secure project management and documentation.
- Improved code quality and reduced post-production issues by 20% through **Pytest** framework.

## ACTIVITIES AND LEADERSHIP

**Hackathon Member**

*Lassonde Games*

Feb 2021

Toronto, ON

- Developed a software system to improve the autonomy and accessibility of healthcare among the senior citizens in Toronto using **JavaScript** and **HTML**.
- Constructed a prototype schematic of our team's aquatic cleanup system using **TinkerCAD** that passively floats on the water body and catches any garbage discarded into it.

## ACADEMIC PROJECTS

**Pharmacy Management System** <https://github.com/jewbe22/EECS3311-project-group8>

Apr 2023

- Developed a **Java**-based management system with JDBC - SQL Server connectivity, applying design patterns for robustness and conducting thorough **unit and integration** testing.
- Engineered a secure, multi-profile user system for medication management and customer profile handling, utilizing SQL for data security.
- Integrated a user-friendly, **Java**-based front-end for efficient data interaction.

## TECHNICAL SKILLS

- Languages:** Java, JavaScript, HTML, CSS, C, Python, SQL, DAX
- Developer Tools:** Eclipse, Visual Studio Code, Git, MySQL, JUnit, Node, Power Query
- Security Frameworks and Compliance:** NIST, INFOSEC, Regulatory Compliance
- Cybersecurity Tools:** Wireshark, Encryption Techniques, Network Monitoring