

Jawad Naheen Shamim

☎ +1 (368) 299-3600 | 📍 Calgary, AB | ✉ jawadnaheen.shamim@ucalgary.ca | 🌐 [jawadnaheenshamim](https://www.jawadnaheenshamim.com)

EDUCATION

University of Calgary

Bachelor of Science, Computer Science

Sep 2023 – Present

Calgary, AB

- **GPA: 3.76; Dean's List:** 2023–2024, 2025–2026; enrolled in the **Science Co-op Program**.
- Relevant Coursework: Database Management Systems, Data Structures & Algorithms, Object-Oriented Programming, Statistics, Software Engineering, Web-Based Systems, Statistics.

TECHNICAL SKILLS

Languages: Python, SQL, R, Java, C, C++, JavaScript, HTML, CSS

Data Analysis & BI: Power BI, Tableau, Excel, PowerPoint, Statistics, Data Cleaning, Data Validation, Trend Analysis, Dashboard Development, Data Storytelling

Data Engineering & Databases: MySQL, MongoDB, Relational Databases, Data Modeling

Frameworks & Tools: Node.js, Express, REST APIs, Git, GitHub, GitLab, Docker, Jira, Linux

PROJECTS

Power Plant Output Prediction | Python, Pandas, Scikit-learn, XGBoost, SHAP, Power BI

Aug 2026

- Analyzed **9,568 operational observations over 6 years** from a combined-cycle power plant, validating temperature, pressure, humidity, exhaust vacuum, and net electrical output data.
- Built a regression baseline explaining **92.9% of power-output variance** and compared Linear Regression, Random Forest, Gradient Boosting, Extra Trees, and XGBoost.
- Applied feature importance and **SHAP explainability** to identify operating conditions influencing generation and prepared Power BI-ready outputs for performance monitoring.

Retail Banking Churn & Deposit Risk | Python, Pandas, SQL, MySQL, Power BI, DAX

Jul 2026

- Validated a **10,000-record** MySQL customer database for missing values and duplicate IDs, then engineered churn-risk features (age bands, product segments, risk flags) in Python.
- Segmented customers by product holdings, geography, and age, finding that 1-product holders, who make up over half the customer base, churn at **3.7x** the rate of 2-product holders (**27.7% vs. 7.6%**), with **Germany at 32.4%** and **ages 46–60 at 51.1%** as the highest-risk segments.
- Quantified **\$168.4M** in deposit exposure across **1,792** deduplicated high-risk customers, translating the analysis into **12** Power BI DAX measures for retention prioritization.

Card Spend & Category Segmentation | Python, Pandas, SQL, MySQL, Power BI, DAX

Jun 2026

- Profiled **1.29M+** transactions across **983** cardholders using Python and Pandas, identifying **15.1%** of records with missing merchant ZIPs and retaining them as nulls.
- Segmented **\$91.2M** in spend by category and cardholder, finding grocery, in-store, and online shopping drove **35.5%** of spend and the top 10% of cardholders drove **23.4%**.
- Quantified fraud exposure, finding **0.58%** of transactions represented **4.37%** of dollar volume; built **9** Power BI DAX measures.

HistoraDB – Historical Figures Data Platform | SQL, MySQL, Node.js, Express, JavaScript

Jan 2025 – Apr 2025

- Designed and worked with a **12-table** relational MySQL database connecting historical figures, biographies, books, external resources, users, and modification records.
- Developed **50+ data-backed** Express endpoints supporting search, filtering, CRUD operations, authentication, and administrative workflows.
- Validated **10 end-to-end backend workflows** and benchmarked **160 search requests** with sub-100ms P95 response times, using testing results to identify and resolve implementation issues.

EXPERIENCE

NMC Studio Bell

Event Staff

Apr 2025 – Present

Calgary, AB

- Communicate with guests and operational teams, responding to changing needs with strong **attention to detail** and **initiative** to resolve issues.

University of Calgary Accommodations & Events

Event Services Attendant

Mar 2025 – Present

Calgary, AB

- Use digital workplace tools while demonstrating strong **communication, organization, computer literacy, and teamwork**.

MCEC Students' Union

Banquet Server

Apr 2024 – Present

Calgary, AB

- Follow instructions, adapt quickly, and apply supervisor feedback to continuously improve service and performance.