

Hassam Asghar

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SUMMARY

Data analyst with 3+ years building dashboards and automated reporting for North American clients. Master of Management Analytics from Queen's, Data Science focus. Owns the path from SQL model to Power BI dashboard, then automates the manual work feeding it.

SKILLS

Data & BI: SQL, Python (Pandas, Scikit-learn, XGBoost), R, Power BI (DAX, Power Query), Tableau, Looker Studio, Advanced Excel, Git **Analytics:** Hypothesis testing, A/B testing, regression, forecasting, predictive modeling, optimization, simulation **Data Engineering:** ETL/ELT pipelines, dimensional modeling, data warehousing, data quality and governance, API integration **AI & Automation:** LLM integration (Claude, OpenAI APIs), AI agent development, workflow automation (n8n, Google Apps Script) **Delivery:** Requirements gathering, Agile sprints, UAT and QA, stakeholder management, ERP and POS systems

EXPERIENCE

Billing and Compliance Analyst | Cowlar Design Studio (YC-Backed) | 2024–2025

- Designed and maintained 15+ SQL datasets that became the single source of truth for billing, project profitability, and revenue reporting across engineering and finance.
- Built and owned Power BI dashboards end to end — data modeling, DAX measures, dashboard design, and stakeholder rollout — for North American enterprise clients including ViaPhoton (US), replacing manual spreadsheet consolidation and cutting financial reconciliation time by 40%.
- Built ETL workflows with n8n, Google Apps Script, and API integrations that automated data collection into a consolidated reporting layer, eliminating revenue leakage and improving billing accuracy by ~25%.
- Elicited reporting requirements from finance and engineering leadership across time zones, documented them as specifications, and delivered against them in iterative sprints — giving leadership project-level profitability visibility that improved resource allocation by 15%.
- Led a data-quality and process improvement initiative, authoring SOPs and process documentation that reduced departmental silos, and ran UAT and validation cycles on billing datasets to catch logic defects before client invoicing.

Customer Support Lead | Modisoft Inc. | 2023–2024

- Led a team of 7 specialists within a globally distributed organization, serving a US-wide client base and implementing KPI tracking that improved response efficiency and accountability.
- Performed data validation and QA on POS and financial datasets across 200+ retail accounts, reconciling front-end transactions against back-office reporting including tax and revenue compliance.
- Identified a recurring tobacco scan-data reporting discrepancy through systematic data auditing and drove the root-cause fix with engineering, protecting rebate revenue for hundreds of clients.
- Analyzed onboarding data to locate friction points and redesigned client training, improving time-to-first-sale for new retail partners.

- Acted as primary liaison between US clients and engineering, translating business issues into documented technical requirements.

Customer Support Specialist | Modisoft Inc. | 2022–2023

- Resolved financial and integration issues between POS and ERP systems for US retail clients, using trend analysis on account metrics to flag failures before they impacted clients.
- Managed invoicing, ordering, and inventory module analytics, supporting inventory and supply chain decisions.

AI & AUTOMATION ENGINEERING (SELF-DIRECTED)

- Designed and shipped a **universal browser-automation agent** — a zero-dependency Node engine with a deterministic field matcher, completeness-audit gate, and self-learning loop that promotes successful runs into reusable playbooks, driving per-task AI cost toward zero on repeat sites.
- Built an **end-to-end data pipeline and AI scoring system** that ingests records from multiple sources, scores each against defined criteria, and drives downstream document generation — 400+ records processed.
- Built **AI-assisted internal tools and API-integrated workflows** for small-business operations (Shopify Admin, Gmail, generative-image APIs), with credentials held in OS keychain, never exposed to the model layer.
- Built a shift-reconciliation web app for cashiers, in daily production use at a Tim Hortons franchise.

EDUCATION

Master of Management Analytics | Smith School of Business, Queen's University | expected 2026

Data Science focus. Coursework: SQL and data management; **Tableau** and data storytelling; **R** — regression, time series forecasting; **machine learning and AI** — classification, deep learning, CART, random forest, boosting; optimization and Monte Carlo simulation; pricing, marketing, and supply chain analytics; **generative AI for business** — LLMs, prompt engineering, responsible AI; **analytics project management** — **Agile and scope-bound delivery**.

BS Business Management | National Defense University | 2019–2024

PROJECTS

- **Car Insurance Claim Predictor** — team lead; XGBoost claim-likelihood model in Python.
- **Football Transfer Value Prediction** — team lead; Python player-valuation model.
- **Hospital Meal Planning Optimizer** — constrained optimization model in Python.