Tareq Aghabi

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PROFILE

Senior Data & Analytics Leader with 9 years of cross-functional experience driving impact across Real Estate, Supply Chain, Retail, HR, Finance, and Venture Capital. Proven track record in building and leading high-performing data teams, architecting enterprise-wide analytics platforms, and delivering executive reporting, prescriptive modeling, and AI-powered insights. Expertise spans advanced analytics, data automation, business intelligence, and machine learning, with hands-on proficiency in LLMs and generative AI solutions. Adept at end-to-end data architecture, from SQL-based ETL and cloud pipelines to visualization and strategic decision enablement. Fluent in English and Arabic. Canadian and Jordanian.

EDUCATION

Georgia Tech University, School of Computational Science and Engineering   Atlanta, GA
Master of Science in Analytics (MSc) | GPA: 3.91   December 2024
- Relevant Coursework: Data Science in Business, Machine Learning, ETL, Analytics Modeling, Web Development

Analytics Consultant – Capstone Project – Access Bridge Venture Capital Fund
- Implemented an end-to-end automation system for funding applications, using JavaScript, SQL, Sheets & Affinity CRM API.
- Designed a machine learning classification algorithm for application evaluation and real-time applicant data visualization.

Concordia University, School of Engineering and Computer Science   Montréal, QC
Bachelor of Science in Industrial Engineering (BEng)   May 2018
- Relevant Coursework: Operations Research, Stochastic Models, Simulation, Calculus, Probability & Statistics

PROFESSIONAL EXPERIENCE

Al Futtaim Group – *Largest automotive, real estate & retail conglomerate in the UAE*   Dubai, UAE
Senior Data Analytics Manager – Acting Head of Data & Analytics – Real Estate Management   March 2024 – Present
- Entrusted with the full scope of Head of Data & Analytics responsibilities, leading a regional analytics and engineering team across MENA & Asia. Directed data strategy, reporting architecture, and advanced analytics for a 5,500+ FTE real estate portfolio in collaboration with C-suite, HR, Finance, and Operations leaders.
- Built an enterprise-grade analytics ecosystem from the ground up, including SQL-based ETL pipelines and structured datasets in Azure Data Lake. Integrated SAP, PeopleHub, and HR Census data via Power Automate and Datamart, reducing data processing time by 40% and eliminating 80% of manual effort.
- Developed and launched over 15 cross-functional dashboards in Power BI and Tableau with >55 active users, leveraged by board-level stakeholders for strategic planning, including Workforce Planning, Tatween MOHRE reporting, and Nationalization KPIs. Improved decision turnaround time by 60%.
- Designed and led quarterly forecasting models and annual budgeting simulations, introducing predictive headcount modeling and strategic manpower cost scenarios, enabling a 15% YoY cost reduction and significantly improving resource planning accuracy.
- Applied Lean Six Sigma methodologies to redesign incentive payout policy through statistical modeling and normal distribution payout simulations. Assessed asset utilization, tenant satisfaction, and tenant mix strategy to align incentive structures with commercial objectives, achieving over 10M AED in annual cost savings.
- Integrated OpenAI's GPT API with daily government-scraped data to create a mobile-optimized executive dashboard tracking fine payments. Improved reporting accuracy by 90% and reduced reporting time by 70%, delivering real-time insights that influenced compliance and regulatory decision-making at the C-suite level.
- Coached team members on Power BI and Excel best practices, increasing their independent dashboard development capability by 65%. Recognized internally for delivering the most impactful dashboards and elevating team-wide proficiency in analytics and visualization.

Chalhoub Group – *Largest luxury goods retailer and distributor in MENA*   Dubai, UAE
Manager - Data , AI & Automation - Supply Chain & Analytics Central Team – Management   January 2022 – March 2024
- Architected a centralized KPI governance and reporting infrastructure across upstream and downstream supply chains, enabling executive, management, and operational decision-making through 100+ standardized KPIs and dashboards in Looker. Resulted in 100% improvement in visibility and insight-driven alignment across departments.
- Directed a team of 6 analysts in data modeling, pipeline optimization, and visualization development. Delivered over 150 active-use dashboards accessed regularly by C-suite and regional leadership for decisions on fulfillment, trade performance, vendor SLAs, returns, and e-commerce operations.
- Engineered a 100TB data lake architecture using Google BigQuery and Looker, integrating sales, logistics, inventory, and vendor datasets. Enabled descriptive, diagnostic, and predictive analytics at item, market, department, and brand levels. Developed Root Cause Analysis for on-shelf availability, fill rate variance, and vendor underperformance.
- Reduced dashboard query costs by 55TB and increased speed by 40% by building LookML-derived and aggregate tables. Resulted in smoother dashboard performance and improved adoption across key business units.
- Governed data stewardship for supply chain KPIs, reviewing and merging 350+ GitHub pull requests into LookML repositories. Maintained 100% data integrity and ensured version-controlled metric definitions across all global dashboards.
- Designed and hosted five high-impact offsites for senior management, aligning KPIs with strategic supply chain priorities. Led a dashboard-building competition in which I delivered the top-ranked dashboard with a perfect performance score (>100%).

Goodfood Market Corporation – *Canada-wide online grocery delivery*   Montréal, QC
Senior Operations Data Analyst – Big Data Analytics & Supply Chain Operations   May 2020 – January 2022
- Advanced rapidly to a senior role within 8 months for consistently exceeding performance targets and championing a data-driven culture across operations. Owned end-to-end analytics and automation pipelines supporting Canada-wide grocery logistics and fulfillment.

- Automated the weekly onboarding process for over 1,500 SKUs into the E-commerce backend and ERP warehouse management system by configuring dynamic SKU routing logic, replenishment triggers, and storage optimization rules, reducing manual data entry time by 70% and enhancing forecast alignment.
- Developed a JavaScript-based interfacility inventory replenishment model integrated with Looker and Google Sheets. Resulted in a 50% increase in SKU availability and significantly improved fulfillment rate across distribution centers.
- Programmatically mapped and assigned over 3,000 SKU locations using SQL Server Studio queries, optimizing pick-path logic and storage zoning for high-volume items, resulting in improved warehouse efficiency and order accuracy.
- Designed and deployed 15+ automated analytics tools and dashboards tracking shipment issues, labor cost variance, and carrier performance. Delivered real-time insights that informed daily operational decisions by senior directors.
- Championed agile analytics practices, standardizing daily and weekly performance reporting. Empowered department heads with self-service tools that reduced ad hoc report requests by 40%.

United Parcel Service **(UPS) –** *Global shipping & logistics*   Montréal, QC
Industrial Engineering Specialist – Route Optimization Engineering Project Team   April 2018 – May 2020
- Drove route optimization and operational efficiency initiatives for one of the world's largest logistics providers. Led data-driven engineering projects that significantly enhanced last-mile delivery performance, process consistency, and operational analytics visibility across the Montréal and Laval regions.
- Engineered delivery route models using proprietary optimization software and field verification data across 70+ driver groups, reducing delivery mileage by 15% and contributing to improved fuel efficiency and route accuracy.
- Analyzed and transformed route-specific logistics data using Excel VBA, producing 25+ technical reports that provided corporate-wide visibility into deployment progress and operational KPIs.
- Planned and executed over 1,800 driver/helper meetup schedules, leveraging logistics algorithms to streamline peak season capacity, achieving a net gain of 70 stops per vehicle per day and increasing delivery throughput.
- Authored a standardized Master Operating Plan for the Data Acquisition department, detailing the full package processing lifecycle. Reduced data entry errors by 25% and enhanced internal training and handover consistency.

CERTIFICATIONS

Georgia Tech University, Scheller College of Business**,**   Atlanta, GA
Lean Six Sigma Green Belt Certification (PCert)   April 2024
- Relevant Coursework: Lean, Six Sigma, Project Management, Process Improvement, Quality Control, Risk Analysis

International Federation of Purchasing and Supply Management IFPSM,   Dubai, UAE
Certified Advanced Supply Chain Professional (CASP)   November 2022
- Relevant Coursework: Cost Analysis, Planning, Forecasting, Sourcing, Warehousing, Inventory Management, Logistics

IBM, IBM Training University   IBM
Professional Certificate in Data Science (PCert)   May 2021
- Relevant Coursework: Data Science, Python, SQL, Databases, Visualization, Deep Learning, Machine Learning & AI

Harvard University, School of Engineering and Applied Sciences   HarvardX
Professional Certificate in Data Science (PCert)   February 2021
- Relevant Coursework: SQL, Python, R, Visualization, Probability, Wrangling, Regression, Machine Learning & AI