Tareq Aghabi

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PROFILE

Senior Data & AI Leader with 9 years of cross-functional experience in MENA and North America driving measurable business impact across Real Estate, Supply Chain & Ops, Retail, HR, Finance, and VC. Proven track record in building and leading high-performing data teams, deploying 50+ AI and digital transformation solutions, and architecting enterprise-wide analytics ecosystems that have delivered multimillion-dirham cost savings. Specializes in executive reporting, predictive modeling, and LLM-driven insights, with hands-on expertise in generative AI, machine learning, and automation. Adept at designing end-to-end data architectures from SQL-based ETL and cloud pipelines to self-service BI. Bilingual in English and Arabic. Canadian and Jordanian national.

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 & AI Manager – Acting Head of Data & Analytics – Real Estate Management   March 2024 – Present
- Built an enterprise multi agent Copilot Studio platform in Microsoft Teams, connecting OpenAI API, Databricks, and Power Automate via MCP to run an Ask HR Copilot with child agents for screening, onboarding, job posting, scheduling, and analytics. Replaced legacy tools, automated outreach and interview booking, cut HR manual work by 65 percent, and delivered 5M AED in annual savings, with the solution winning the Al Futtaim AI Hackathon.
- Developed a Python-based attrition prediction model using demographic, engagement, and performance data. Achieved 90% accuracy and reduced voluntary attrition of distinguished headcount by 15% through early intervention and risk flagging.
- Created a statistical simulation engine for incentive optimization using Lean Six Sigma and normal distribution models. Aligned payouts with asset utilization and tenant performance, delivering 10M+ AED in 2024 cost savings.
- Delivered a real-time compliance dashboard by integrating GPT API with a government web scraper. Enabled mobile-based monitoring of fine payments, improving reporting accuracy by 90% and executive visibility.
- Designed AI-enabled forecasting and budgeting simulations, incorporating predictive headcount modeling and manpower planning. Enabled 15% YoY cost savings and significantly improved workforce planning in 2025.
- Built an AI-ready analytics ecosystem, including SQL-based ETL pipelines and structured datasets in Azure Data Lake. Integrated SAP, PeopleHub, and HR Census data via Power Automate and Databricks, reducing processing time by 40% and automating 80% of manual workflows.
- Developed and launched 15+ executive dashboards in Power BI and Tableau, embedded with dynamic KPIs and real-time business logic. Used by >55 stakeholders for strategic planning on Workforce Planning, Tatween compliance, and Nationalization, reducing decision latency by 60%.
- Automated applicant workflows by launching an AI-enhanced Application Management System, streamlining intake, routing, and internal feedback loops. Reduced manual admin time by 65% and improved stakeholder accountability.
- Championed team-wide upskilling on Power BI and Excel automations, increasing autonomous dashboard development by 65% and embedding a culture of AI-first, self-service analytics.
- Entrusted with full Head of Data & AI responsibilities, leading a regional analytics team and deploying 25+ AI-powered and digital transformation solutions across Generative AI, LLMs, automation, predictive modeling, and data architecture. Drove enterprise-wide data democratization and AI adoption across C-Suite, Real Estate, Strategy, HR, Finance, Ops, and Compliance.

Chalhoub Group *– Largest luxury goods retailer and distributor in MENA*   Dubai, UAE
Manager - Data, AI & Analytics - Supply Chain & Analytics Central Team – Senior Management   January 2022 – March 2024
- Architected a centralized, AI-ready KPI governance and reporting infrastructure across upstream and downstream supply chains, enabling executive, management, and operational decision-making via 100+ standardized KPIs and dashboards in Looker. Resulted in 100% improvement in cross-departmental visibility and alignment.
- Engineered a 100TB enterprise data lake architecture using Google BigQuery and Looker, integrating sales, logistics, inventory, and vendor datasets. Enabled descriptive, diagnostic, and predictive analytics at SKU, market, and brand levels, including root cause analysis for on-shelf availability, fill rate variance, and vendor underperformance.
- Directed a team of 6 data analysts & engineers in data modeling, pipeline optimization, and intelligent dashboard development. Delivered over 150 active-use dashboards accessed by C-suite and regional leadership to monitor fulfillment, trade, vendor SLAs, returns, and e-commerce performance.
- Designed and hosted five AI-driven performance alignment offsites for senior leadership, showcasing automated KPI narratives and predictive supply chain insights. Led a dashboard competition where I delivered the top-ranked dashboard, scoring >100% on accuracy, clarity, and executive relevance.
- Reduced dashboard query costs by 55TB and improved load speed by 40% through automated LookML transformations and derived table strategies. Improved usability and platform adoption across business units.
- Governed enterprise-wide data quality and metric integrity, overseeing 350+ GitHub pull requests into LookML repositories. Ensured 100% alignment and version-controlled metrics across global reporting layers.

Goodfood Market Corporation *– Canada-wide online grocery delivery*   Montréal, QC
Senior Operations Data Analyst – Big Data Analytics Team – 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 predictive 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

LLM Engineering, Udemy   Udemy
Professional Certificate in AI & Data Science (PCert)   July 2025
- Relevant Coursework: LLM Apps, RAG, Generative AI, Fine-tuning, Prompt Engineering, Agentic workflows, APIs

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 AI & 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 AI & Data Science (PCert)   February 2021
- Relevant Coursework: SQL, Python, R, Visualization, Probability, Wrangling, Regression, Machine Learning & AI