

# Tareq Aghabi

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## PROFILE

*AED 15M+ in AI-driven portfolio savings | Agentic AI Hackathon Winner | Senior Data Analytics & AI Manager, Al-Futtaim*

Senior Data & AI leader with 9 years building analytics ecosystems and deploying multi-agent AI at enterprise scale across Real Estate, Supply Chain Operations and Retail in MENA and North America. Known for translating agentic AI architectures into board-level outcomes: from a production Copilot Studio orchestrator serving 55+ stakeholders to a rental yield simulation engine delivering AED 10M+ in annual portfolio savings. Expert across Azure AI Foundry, Power BI, Databricks, Python, and SQL. MS Analytics, Georgia Tech (GPA 3.91). Bilingual: English and Arabic. Canadian and Jordanian national.

## PROFESSIONAL EXPERIENCE

**Al-Futtaim Group – Largest automotive, real estate & retail conglomerate in the UAE**

*Dubai, UAE*

*Senior Data Analytics & AI Manager | Real Estate Management*

*March 2024 – Present*

*Leads the full analytics, AI, and data function for Al-Futtaim Real Estate, one of the UAE's largest diversified real estate developers, owning enterprise data strategy, the AI product roadmap, and a cross-functional analytics team serving portfolio management, leasing, compliance, finance, and HR.*

- Reduced HR and leasing applicant workflow effort by 65% and delivered AED 5M in annual savings, as measured by a 65% reduction in manual processing time and AED 5M in verified cost avoidance, by designing and deploying Al-Futtaim Workmate, a production multi-agent AI platform on Microsoft Teams orchestrating Azure AI Foundry, Copilot Studio, and OpenAI API through an intelligent routing layer that dispatches specialized child agents for applicant screening, onboarding, scheduling, job advertising, and real-time analytics. Winner, Al-Futtaim Agentic AI Hackathon.
- Established the division's first formal analytics and AI roadmap, governing 25+ AI-powered solutions across Real Estate, Finance, HR, and Compliance, as measured by a 40% reduction in data processing time and 80% automation of manual workflows, by architecting SQL-based ETL pipelines, an Azure Data Lake, and Databricks integrations with SAP and PeopleHub, creating the data governance infrastructure underpinning all divisional analytics products.
- Delivered AED 10M+ in annual portfolio savings through rental incentive and yield optimization, as measured by AED 10M+ in 2024 verified cost savings and improved occupancy-to-payout alignment, by building a statistical simulation engine using Lean Six Sigma and normal distribution models to benchmark tenant performance, asset utilization, and occupancy rates across the real estate portfolio, aligning incentive payouts directly with NOI targets.
- Reduced strategic decision latency by 60% and improved portfolio-level reporting accuracy by 90%, as measured by a 60% improvement in decision speed across 55+ stakeholders, by developing 15+ executive dashboards in Power BI and Tableau tracking leasing pipeline velocity, occupancy rates, transaction KPIs, and Nationalization compliance, deployed across C-Suite, Real Estate, Strategy, and Finance for real-time asset performance monitoring.
- Delivered live market intelligence and regulatory compliance visibility across the property portfolio, as measured by a 90% improvement in reporting accuracy and full elimination of manual fine-tracking, by integrating GPT API with a government web scraper to build a real-time compliance dashboard monitoring RERA and DLD regulatory exposure, fine payments, and portfolio-level risk, enabling mobile-based executive oversight.
- Enabled 15% YoY reduction in real estate operational workforce costs, as measured by 15% YoY savings and significantly improved 2025 budget forecast accuracy, by designing AI-enabled forecasting and budgeting simulations incorporating predictive occupancy modeling, headcount demand forecasting, and capex planning aligned to asset delivery timelines.
- Reduced voluntary attrition of high-value real estate and operations headcount by 15%, as measured by 90% model accuracy and a 15% reduction in distinguished headcount turnover, by developing a Python-based workforce risk model using demographic, engagement, and performance data, enabling early-stage risk flagging and proactive retention intervention across critical divisional roles.
- Increased autonomous dashboard development capability across the division by 65%, as measured by a 65% uplift in self-sufficient BI output and a measurable reduction in ad hoc reporting requests, by championing a structured Power BI and AI upskilling programme that embedded a self-service analytics culture, freeing the core data team to focus on advanced modeling and agentic AI product delivery.

**Chalhoub Group – Largest luxury goods retailer and distributor in MENA**

*Dubai, UAE*

*Data, AI & Analytics Manager | Supply Chain & Analytics Central Team*

*January 2022 – March 2024*

- Achieved 100% improvement in cross-departmental reporting visibility, as measured by 100% standardization of KPIs across all divisions, by architecting a centralized KPI governance and analytics infrastructure across upstream and downstream supply chains, standardizing 100+ KPIs and Looker dashboards used daily by C-suite and regional leadership.
- Enabled SKU-, market-, and brand-level predictive analytics including root-cause analysis for on-shelf availability, fill rate variance, and vendor underperformance, as measured by a scalable 100TB analytics platform serving descriptive, diagnostic, and predictive use cases, by engineering a Google BigQuery enterprise data lake integrating sales, logistics, inventory, and vendor datasets.
- Delivered 150+ active-use executive dashboards covering fulfillment, trade, vendor SLAs, returns, and e-commerce performance, as measured by daily active usage by C-suite and regional leadership, by directing a team of 6 data analysts and engineers in data modeling, pipeline optimization, and dashboard development.
- Reduced dashboard query costs by 55TB and improved load speed by 40%, as measured by a 40% BI platform performance improvement and higher cross-business-unit adoption, by implementing automated LookML transformations and derived table strategies that streamlined query execution at scale.
- Maintained 100% metric alignment and version-controlled reporting across all global reporting layers, as measured by zero metric discrepancies across a multi-region, multi-brand estate, by governing enterprise-wide data quality and overseeing 350+ GitHub pull requests into LookML repositories.

## Goodfood Market Corporation – Canada-wide online grocery delivery

Montréal, QC

Senior Operations Data Analyst | Big Data Analytics Team

May 2020 – January 2022

- Advanced to senior level within 8 months, well ahead of the standard progression timeline, as measured by an early promotion for consistently exceeding performance targets, by owning end-to-end analytics and automation pipelines supporting Canada-wide grocery logistics and fulfillment operations.
- Reduced manual SKU onboarding time by 70% and improved forecast alignment, as measured by a 70% reduction in data entry effort for 1,500+ SKUs weekly, by automating the SKU intake process into the e-commerce backend and ERP warehouse management system, configuring dynamic routing logic, replenishment triggers, and storage optimization rules.
- Increased SKU availability by 50% across distribution centers, as measured by a 50% uplift in fulfillment rate and improved order accuracy, by developing a JavaScript-based interfacility inventory replenishment model integrated with Looker and Google Sheets to optimize real-time stock movement between facilities.
- Improved warehouse pick efficiency and order accuracy across the fulfillment network, as measured by optimized pick-path logic across 3,000+ SKU locations, by programmatically mapping and assigning all SKU storage positions using SQL Server queries, restructuring storage by velocity and zone to minimize pick travel time.
- Reduced ad hoc reporting requests by 40%, as measured by a 40% decrease in reactive reporting demand and faster daily operational decisions by senior directors, by designing and deploying 15+ automated analytics dashboards tracking shipment issues, labor cost variance, and carrier performance.

## United Parcel Service (UPS) – Global shipping & logistics

Montréal, QC

Industrial Engineering Specialist | Route Optimization Engineering

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.

## EDUCATION

**Georgia Institute of Technology 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

**Lean Manufacturing Consultant – Capstone Project – Satellite Metal Inc.**

- Optimized 10 stamping machine layouts, implementing lean conveyance routes to reduce lead time and handling costs.
- Engineered a Visual Basic interface and analyzed production lines to streamline interdepartmental job traveler operations.

## CERTIFICATIONS & ACCOMPLISHMENTS

**Agentic AI Hackathon**, Al-Futtaim

Dubai, UAE

First Place Winner

March 2026

- Delivered AED 5M in annual savings and reduced workflow effort by 65%, as measured by a first-place win across all competing teams, by building a production multi-agent AI platform on Microsoft Teams orchestrating Azure AI Foundry, Copilot Studio, and OpenAI API through specialized agents for HR screening, onboarding, scheduling, and real-time analytics.

**LLM Engineering**, Udemy

Udemy

Professional Certificate in AI & Data Science (PCert)

January 2026

- Applied to production RAG pipelines, agentic workflow design, and fine-tuned LLM deployments at Al-Futtaim.

**Georgia Tech University**, Scheller College of Business,

Atlanta, GA

Lean Six Sigma Green Belt Certification (PCert)

April 2024

- Applied to incentive optimization simulation engine delivering AED 10M+ in portfolio savings.

**International Federation of Purchasing and Supply Management IFPSM**,

Dubai, UAE

Certified Advanced Supply Chain Professional (CASP)

November 2022

- Applied across supply chain analytics leadership at Chalhoub Group covering 100+ standardized KPIs.

**IBM**, IBM Training University

IBM

Professional Certificate in AI & Data Science (PCert)

May 2021

- Applied to building Python-based ML pipelines, SQL data workflows, and deep learning models at Goodfood and Al-Futtaim.

**Harvard University**, School of Engineering and Applied Sciences

HarvardX

Professional Certificate in AI & Data Science (PCert)

February 2021

- Applied to statistical modeling, regression analysis, and machine learning, used in rental yield simulation built at Al-Futtaim.

**Concordia University**, School of Engineering and Computer Science

Montréal, QC

First Place Winner – Team Lead – ERP Simulation Competition

June 2017

- Production planner and procurement officer in a cohort-wide ERP simulation. Secured first place by achieving sales figures nearly double those of the second-place team.