

FAIQ HILMAN

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EDUCATION

City, University of London, London, United Kingdom	MSc Data Science	Sep 2022 - Jul 2024
<ul style="list-style-type: none">Relevant Coursework: Data Visualization, Machine Learning, Principles of Data Science, Statistics, Big Data, Visual Analytics, Neural Computing, Semantics and Knowledge Graphs.		
University Of Melbourne, Melbourne, Australia	Bachelor of Commerce	Jan 2017 - Dec 2019
<ul style="list-style-type: none">Relevant Coursework: Financial Statement Analysis, Advanced Financial Management, M&A, Options, Futures & Derivatives, Quantitative Methods, Real Estate Finance, Investments, Financial and Management Accounting.		

WORK EXPERIENCE

EY, Kuala Lumpur, Malaysia	Technology Consultant	Aug 2024 - Present
<ul style="list-style-type: none">Developed a Streamlit-based frontend interface enhanced with custom JavaScript and state management, enabling real-time interaction with financial KPIs via natural language input.Led frontend design as stream lead, integrating with multi-agent backend workflows and ensuring UI responsiveness, reliability, and ease of use across sessions.Team member of an OT cybersecurity audit for a critical infrastructure client, assessing industrial control systems (ICS) security, remote access controls, network segmentation, and compliance with IEC 62443.Developed OT audit work plans, evidence collection procedures, and security assessment methodologies, enhancing cyber risk management, compliance validation, and threat detection capabilities.Conducted cybersecurity validation assessments for a financial institution, ensuring e-KYC vendor solutions comply with BNM e-KYC Policy Document (April 2024), focusing on identity verification, fraud prevention, and compliance risk mitigation.		
Cherengin Hills, Kuala Lumpur, Malaysia	Corporate Sales & Strategy Associate	Jan 2021 - Jun 2022
<ul style="list-style-type: none">Acquired and negotiated corporate sales agreements, securing RM80,000 in revenue by orchestrating corporate training seminars for multiple companies, through good relationship-building and negotiation skills with key corporate representatives.		
PricewaterhouseCoopers, Kuala Lumpur, Malaysia	Assurance Associate	Mar 2020 - Jul 2020
<ul style="list-style-type: none">Conducted trend analytics and technical and reasonableness analysis on the PPE, Intangible Assets, Overhead expenses, Payroll expenses and subordinated obligations financial statement line items.Identified accounting errors via detailed analysis and understanding of client's business cash flow enabled recovery of errors could result in \$25000 of variances.		

PROJECTS

Intelligent B2B Lead Generation Platform	Apr 2025
<ul style="list-style-type: none">Designed and deployed an end-to-end data pipeline for AI-powered B2B lead generation, including scraping, validation, enrichment, and persistent storage using Python, FastAPI, SQLite, and credential-secure configuration management.Built a fully orchestrated workflow automation engine using n8n for lead ingestion, personalized email generation via LLM prompts, PDF proposal attachments, and campaign tracking, laying the groundwork for future ML-driven scoring and analytics.	
Exploring Health Disparities in the UK	May 2023
<ul style="list-style-type: none">Conducted geodemographic analysis using Geographically Weighted Regression (GWR) and machine learning models (Neural Networks, Random Forest, SVM) to assess the spatial variability of public health outcomes, with a focus on occupation, socioeconomics, and ethnicity.Enhanced ML models performance and accuracy through rigorous feature selection and hyperparameter optimization (Optuna), providing actionable insights for public health interventions and urban development strategies.	
Cloud-Based Big Data Optimization Project	May 2023

- Optimized Big Data processing with PySpark & TensorFlow by implementing distributed data ingestion and processing workflows using Apache Spark (PySpark) and TensorFlow on Google Cloud Dataproc, achieving a peak throughput of 363.21 images/sec and reducing data processing time by up to 74% compared to standard image decoding.
- Designed and executed cloud-based speed tests and workload distribution experiments, leveraging Google Cloud Storage (GCS), TFRecord optimization, and Spark RDDs. Improved batch-processing efficiency, with TFRecord-based storage yielding a 2.5x improvement in reading speed over traditional image file loading.

LEADERSHIP

City Entrepreneurship Club, London, United Kingdom **Partnerships Officer** **Oct 2022 - Jun 2023**

- Elected as founding committee for the club and worked with entrepreneurs in London by hosting events and talks for society members.
- Established partnerships with tech startups and organized educational events for aspiring entrepreneurs.

Malaysians of Melbourne University, Melbourne, Australia **President** **Sep 2018 - Sep 2019**

- Managed \$52,000 AUD budget and led 45-member team, growing membership to 1,100 active members through data-driven strategies.
- Won Best Camp of the Year award at UMSU Award night while raising record levels of club sponsorship.

Malaysians of Melbourne University, Melbourne, Australia **Assistant Sponsorship Director** **Sep 2017 - Sep 2018**

- Reinvigorated sponsorship program, raising \$13000 AUD in financial sponsorship from corporate and non-corporate sponsors.
- Recruited 42 sponsors within 1 year, making a new record for largest cultural club in the University of Melbourne.
- Presented sponsorship proposals to large corporate sponsors such as Deloitte and Central Equity, and numerous non-corporate sponsors with club statistics and future direction.

Grand Malaysian Ball, Melbourne, Australia **Assistant Entertainment Director** **Mar 2018 - Sep 2018**

- Arranged auditions to select best talent for ball's entertainment.
- Facilitated communication between guests, emcee and ball's organizing committee. Operated video camera and sound equipment for a ball of 300 participants.
- Planned and executed event flow and structure for 300 participants within 2 months.

TECHNICAL SKILLS

Programming & Data Science:

Python, R, Java, JavaScript, SQL, SPARQL, Pandas, NumPy, Matplotlib, Seaborn, RDFlib, Regex, Jinja2.

Machine Learning, AI & Automation:

LLM Prompt Engineering, Neural Networks, Random Forest, SVM, Bayesian Optimization, Feature Selection, Supervised/Unsupervised Learning, PCA, Agentic Workflows, Document/Lead Classification.

Software & Data Engineering:

FastAPI, SQLAlchemy, SQLite, ETL Scheduling, Data Validation, Webhooks, API Integration, CLI Tools, Secure Credential Vaulting, Google Cloud Platform, PySpark, Hadoop, Distributed Computing, TFRecord Optimization, Parallel Data Processing.

UI/UX & Visualization:

Streamlit (advanced), React (basic), TailwindCSS (basic), Custom JS Enhancements, UI State Management, Dashboard Design, Tableau, Observable, Folium, GeoPandas, RDF, Knowledge Graphs, Data Modeling.

Cybersecurity, DevOps & Compliance:

IEC 62443, OT Cybersecurity, e-KYC Vendor Evaluation, Network Security, Secure System Configuration, Risk Assessment, Docker, WSL2, Git, Environment Management, Secure Deployment.

Credentials:

ISC2 - Certified in Cybersecurity

Microsoft Certified: Security, Compliance and Identity Fundamentals

Microsoft Certified: Azure Fundamentals