

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

## WORK EXPERIENCE

EY, Kuala Lumpur, Malaysia	Technology Consultant	Aug 2024 - Present
<ul style="list-style-type: none"><li>Developed a Streamlit-based frontend interface enhanced with custom JavaScript and state management, enabling real-time interaction with financial KPIs via natural language input.</li><li>Led frontend design as stream lead, integrating with multi-agent backend workflows and ensuring UI responsiveness, reliability, and ease of use across sessions.</li><li>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.</li><li>Developed OT audit work plans, evidence collection procedures, and security assessment methodologies, enhancing cyber risk management, compliance validation, and threat detection capabilities.</li><li>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.</li></ul>		
Cherengin Hills, Kuala Lumpur, Malaysia	Corporate Sales & Strategy Associate	Jan 2021 - Jun 2022
<ul style="list-style-type: none"><li>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.</li></ul>		
PricewaterhouseCoopers, Kuala Lumpur, Malaysia	Assurance Associate	Mar 2020 - Jul 2020
<ul style="list-style-type: none"><li>Conducted trend analytics and technical and reasonableness analysis on the PPE, Intangible Assets, Overhead expenses, Payroll expenses and subordinated obligations financial statement line items.</li><li>Identified accounting errors via detailed analysis and understanding of client's business cash flow enabled recovery of errors could result in \$25000 of variances.</li></ul>		

## PROJECTS

Intelligent B2B Lead Generation Platform	Apr 2025
<ul style="list-style-type: none"><li>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.</li><li>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.</li></ul>	
Exploring Health Disparities in the UK	May 2023
<ul style="list-style-type: none"><li>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.</li><li>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.</li></ul>	
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