

Hussein Ziyad

BSc Applied Data Science and Communication (Reading)
General Sir John Kotelawela Defence University

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EDUCATION

General Sir John Kotelawela Defence University <i>Bachelor's Degree – Applied Data Science and Communication</i>	Jan 2024 – Dec 2026
National Institute of Sports Science <i>Basketball Coaching – Level 1</i>	Nov 2023 – Dec 2023
Zahira College <i>Local A-Levels – Combined Mathematics, Physics, ICT</i>	Feb 2009 – Dec 2022

ACADEMIC PROJECTS

Data Mining: Classification and Clustering - Public Sector Data <i>Data Mining Project</i> Performed EDA, data cleaning, and feature preparation using CRISP-DM Built and evaluated classification models; applied clustering for pattern discovery Technologies: Python, R, Pandas, NumPy, Scikit-learn	2024 Python
SQL & Power BI: Australian Government Data Analytics <i>SQL Project</i> Designed relational databases and complex T-SQL queries in SQL Server Technologies: SQL Server, T-SQL, Power BI, DAX	2024 SQL, Power BI
SQL & Power BI: Canadian Immigration Analytics <i>SQL Project</i> Modelled large-scale immigration datasets and identified policy trends Technologies: SQL Server, Power BI, DAX	2024 SQL, Power BI
EV Adoption Impact Analysis <i>Research Topic</i> Proposed a global analytical model to study environmental and economic impacts of EV adoption	Proposed Data Analytics
Advanced SQL & Cloud Databases: Government & SDG Data <i>Academic Project</i> Implemented CTEs, views, stored procedures, and cloud database integration Technologies: Advanced T-SQL, SQL Server / Azure SQL, Power BI	2025 SQL, Power BI

EXPERIENCE

Assistant Basketball Coach <i>Zahira College</i> Assisted training programs, performance analysis, and team coordination	Jun 2023 – Present
Mathematics Teacher (Volunteer) <i>Al Hikma College</i> Conducted mathematics lessons and academic support sessions	May 2023 – Sep 2023

TECHNICAL & INTEREST SKILLS

Programming: Python, R, SQL
Libraries: Pandas, NumPy, Matplotlib, Scikit-learn
Data Science: EDA, Data Cleaning, Feature Engineering, Model Evaluation
Database & Data Engineering: Relational Databases, ETL, Data Transformation
Tools: Git, GitHub, VS Code, Jupyter Notebook
Interests: Data Science, Artificial Intelligence, Sports Analytics

CERTIFICATIONS & ACHIEVEMENTS

Microsoft Power Up Program – Certified Graduate
Champions – Data Odyssey 2025
Basketball Coaching Level 1 Certification
Merit Certificate – Basketball, KDU