

DISAYIRAM NILANESAN

📍 Greater London ✉ disayiram@outlook.com  linkedin.com/in/disayiram  github.com/Disayiram


SUMMARY

Results-driven Data Analyst holding an MSc in Big Data Analytics with proficiency in Excel, SQL, Python, and Power BI. Demonstrated ability to analyse complex datasets, derive actionable insights, and effectively present findings. Passionate about leveraging data science and AI to inform strategic business decisions. Adaptable professional with strong analytical skills and eagerness to thrive in dynamic environments.

CERTIFICATIONS

Microsoft Azure AI Essentials, Excel Essential Training, Ethics in the Age of Generative AI, Data Science, Statistics, Corporate Financial Statement Analysis

PUBLICATION

Co-authored "A Comparative Study of Classifying English News Articles Using Machine Learning Algorithms" 

ACADEMIC PROJECT

Greater London's Weather Trends Analysis

- Analysed 60 years of daily London weather data in R/Python, built visual dashboards and presented climate-trend insights to a research panel.

CORE SKILLS

Programming: Python (pandas, NumPy, matplotlib, scikit-learn), R (tidyverse), SQL (joins, window functions)

Data Analysis & Visualisation: Excel (Power Query, Power Pivot), Power BI (DAX, data modelling), Tableau

Statistics & Experimentation: Hypothesis Testing, A/B Testing, Sampling

Databases & Platforms: PostgreSQL, Azure, Git/GitHub

Machine Learning (Applied): Classification, Regression, Clustering, Model Evaluation

Soft Skills: Data Storytelling, Stakeholder Communication, Analytical Thinking, Teamwork, Adaptability

PROFESSIONAL EXPERIENCE

Data Volunteer: Octavia Housing, UK

May 2025 — Present

- Analysed gas and electrical compliance datasets to determine property compliance status; flagged non-compliant cases and surfaced trends for remediation.
- Built interactive Power BI dashboards from 1,000+ row Excel sources to visualise compliance status, overdue certificates, and trends by property/contractor/region.
- Cleaned and transformed raw data (deduplication, data-type fixes, missing values, standardised formats) to improve reporting accuracy and reliability.

Data Analyst: iCode Mobility Solutions, SL

Jan 2022 — Sep 2023

- Monitored and analysed data quality, identifying discrepancies and implementing validation processes to improve data accuracy and consistency.
- Developed reports and interactive visualisations using Python and Power BI, enabling stakeholders to make data-driven strategic decisions.
- Collaborated with cross-functional teams to enhance data integrity, ensuring reliable insights for business optimisation.

EDUCATION

MSc Big Data Analytics

Sep 2023 — Nov 2024

Birmingham City University, UK

Relevant coursework: Big Data Management, Data Mining, Advanced Databases, Web Social Media Analytics

BSc (Hons) Computing & Information Systems

May 2017 — Jan 2022

Sabaragamuwa University of Sri Lanka

Relevant coursework: Information Assurance and Security, IT Governance, Business Intelligence