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| **Abdelhamid Ben Brahim** |

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| [My Webpage](https://tonpazoldyck.github.io/ABswebpage/) | [Github](https://github.com/TonpaZoldyck) | [LinkedIn](https://www.linkedin.com/in/abdelhamid-ben-brahim-b66560173/) | [Email](mailto:abdelhamidbenbrahim45@gmail.com) | [Mobile](tel:+447963516613) |
| I ama Data Analyst with financial services background, seeking to apply my skills in data science and analysis. With a strong statistical foundation from my studies, I have continued to improve and grow my data science skills outside of academia. | | | | |

***WORK EXPERIENCE***

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| **Feb 2024 -**  **Present** | **Gravita Ltd, London, UK**  **Data Analyst**   * As the sole Data Analyst for the firm, I spearheaded end-to-end data ETL and visualization, transforming backend data from multiple systems into actionable Power BI dashboards for management insights. * Integrated, consolidated, and reconciled data from CCH, Dynamics 365, and Business Central into a unified data model, ensuring seamless data flow and comprehensive cross-functional reporting. * Designed and engineered 8+ dashboards, including finance KPIs, executive summaries, client productivity metrics, HR analytics, and Partner performance. * Successfully integrated IRIS backend database into our data lake via Azure Data Factory, merging it with the existing data model allowing data from our newly acquired business to be analyzed in real time. * Developed and implemented ARIMA forecasting models using Python and SQL, achieving 87% accuracy in monthly and quarterly financial and billing forecasts. * Led the transformation and automation of weekly trading meeting analytics, transitioning from manual Excel processes to dynamic, live Power BI dashboards, reducing preparation time by 100% and enhancing data accuracy. |
| **2020 –**  **2023** | **Deloitte LLP, London, UK**  **Assistant Manager (Analytics)**   * Conducted diverse private equity audits resulting in 100% client satisfaction rate for investment funds, property investment clients, and media companies. * Utilized SQL for client data extraction, transformation and manipulation for financial data analysis. * As the project lead, I optimized engagement efficiency by using Power BI, Tableau and Deloitte analytics resulting in 20%-time savings for clients. * Created frontend analytics dashboards for risk assessments on my real estate and investment engagements, initializing reusable data models, leading to 3 days of time saving for my team. * Analyzed diverse billion-dollar infrastructure investments using complex DCF models, presenting key findings and recommendations to senior management. * Improved the Revenue testing approach on one of my property clients, incorporating Power Bi and VBA leading to time savings of 80% on the testing. |

*DATA PROJECTS*

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| **2024** | **Data Science Highlights**  ***Natural Language Processing (NLP) Sentiment Analysis***   * Conducted impactful research in Natural Language Processing to analyze sentiment in movie reviews, contributing to insightful data-driven decisions for the entertainment industry. * Developed an algorithm which classified 87% of reviews accurately, providing valuable insights for content creation and audience engagement with data queried using SQL from Google Big Query. |
| **2023** | ***Movie Recommendations application***   * In this project I created a movie recommendation system that could predict what an individual would rate a movie based on historical data. * Developed and applied various machine learning algorithms, including Regression, Support Vector Regression (SVR), and Random Forest, to create alternative recommendation models which outperformed the baseline surprise model reducing the loss by 36%. |

*EDUCATION*

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| **2020 – 2023** | **ICAEW:** ACA qualified accountant |
| **2017 – 2020** | **University College London (UCL)**   * Bachelor of Science in Management Science – Grade: First Class (80%) * Core Modules: Economics, Finance, Data Analytics, Computing, * Engineering Minor: Stochastic Calculus and the Mathematics of AI and Machine learning |

*ADDITIONAL SKILLS*

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| **Technical skills:** | * Python: Numpy, Pandas, Scikit-learn, PyTorch, Matplotlib, Seaborn * SQL: T-SQL, Postgres SQL, Big Query * Visualization: Power Bi (DAX), Power Query, Tableau, Looker, Excel * Cloud: Microsoft Azure (ADF, Functions, Logic Apps), AWS (SageMaker, S3) * Other: MATLAB, Git, R, HTML/CSS * Machine Learning: Regression Analysis, Support Vector Machines (SVM), Random Forrest, DBSCAN |