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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) |
| **Objective:** Results-driven professional with financial services background, seeking to apply skills in data science and analysis. Strong statistical foundation, exceptional data analysis skills, passionate about driving business success through insights. | | | | |

***DATA PROJECTS***

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| **2023** | **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 in the entertainment industry. * Achieved 87% classification accuracy with cutting-edge NLP models, providing valuable insights for content creation and audience engagement with data extracted from Google Big Query. |
| **2022** | ***Movie Recommendations application***   * Developed a movie recommendation system using Singular Value Decomposition (SVD) as a baseline, establishing a solid foundation for comparison. * Utilized clustering techniques to segment users and movies based on similar characteristics, enhancing the accuracy and personalization of recommendations. * Applied various machine learning algorithms, including Regression, Support Vector Regression (SVR), and Random Forest, to create alternative recommendation models outperforming the baseline model and reducing the loss by 36% |
| **2021** | ***Credit Card Default application***   * Using Python, Excel, and SQL I conducted comprehensive analysis to predict credit card defaults. * Cleaned and explored data, engineered features, and performed advanced modeling techniques, and featuring engineering to improve model performance. * Leveraged machine learning models, including Naive Bayes, Logistic Regression, XGBoost, and SVM, with hyperparameter tuning and ensemble methods achieving impressive results with 82% accuracy and 43% recall. |

WORK EXPERIENCE

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| **2020 - 2023** | **Deloitte London, UK**  **Assistant Manager**   * Conducted diverse private equity audits resulting in 100% client satisfaction rate for investment funds, property investment clients, and media companies. * Utilized SQL and data manipulation techniques for financial data analysis. * As the project lead, I optimised engagement efficiency by using Power BI, Tableau and Deloitte analytics resulting in 20%-time savings for clients. * Fully developed data analysis frontend dashboards for risk assessments on my engagements. * 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 using VBA to create time savings of 80% on the testing. * Effectively managed multiple client projects, devising comprehensive plans and budgets, resulting in 10% cost savings and optimal team utilization. |

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: Modern Applications of Engineering Mathematics in Finance   + Calculus and Mathematics of AI and Machine learning   + Stochastic Modelling |

ADDITIONAL SKILLS

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| **Technical skills:** | * Python: Numpy, Pandas, Scikit-learn, PyTorch, Matplotlib, Seaborn * SQL: Postgres SQL, Big Query * Visualization: Power Bi (DAX), Power Query, Tableau, Looker, Excel * Other: MATLAB, Git, R, HTML/CSS * Supervised Learning: Regression Analysis, Support Vector Machines (SVM), Random Forrest * Unsupervised Learning: K-means, DBSCAN, Principal Component Analysis (PCA) |
| **Languages:** | * English (Native) and Arabic (Fluent) |
| **Interests:** | * Space exploration, Chess, Running, Football, and Traveling |