ESI TAWIAH ABBEY

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PROFESSIONAL SUMMARY

A dedicated Data Scientist with a background in healthcare and public health, driven by a passion for leveraging technology to create impactful health solutions. Adept at data analysis and problem-solving, and with high attention to detail and organisation. Capable of effective teamwork and independent work on multiple projects. Skilled in statistical analysis, data visualisation, Python, and SQL programming languages. Passionate about staying up to date with the latest technologies, I am continuously working on enhancing my skillset and knowledge, ensuring that I am well-equipped to tackle any analytical challenges that may arise. Ability to learn new data systems quickly and to comply with data integrity and security.

PORTFOLIO

➢ [GitHub](#)

KEY SKILLS

➢ High Attention to Detail
➢ Strong Oral & Written Communication Skills
➢ Analytical & Problem-Solving
➢ Organisational Skills
➢ Adaptability & Flexibility

➢ Statistical Analysis
➢ Data Visualisation
➢ Data Cleaning
➢ Predictive Modelling
➢ Time Series Analytics

➢ Collaboration & Teamwork
➢ Creativity & Innovative
➢ Research skills
➢ Remote & Hybrid Working
➢ Healthcare Analytics

CORE TECHNICAL SKILLS

➢ Programming language: Python (Base I Pandas I NumPy I Matplotlib I Scikit-Learn) I SQL
➢ Machine Learning: Linear Regression I Logistic Regression I Decision Trees I Random Forest I KNN I K-Means
➢ Other: Statistics I GitHub I Microsoft Office (MS Excel Pivot tables) I Visualisation software like Tableau I SPSS I Jupyter Notebook I Computer Vision

EDUCATION & CERTIFICATIONS

➢ Master's degree in Public Health: 2:1
  University of Chester, United Kingdom
  01/2021 – 11/2022

➢ Bachelor of Medicine I Bachelor of Surgery: 2:1
  Volgograd State Medical University, Russia
  09/2013 – 08/2019

➢ Data Science Professional Certification, Data Science Infinity
➢ Master Data Scientist Certification, 10Alytics

Further Development:
➢ SQL data extraction and manipulation.
➢ Python for data analysis, manipulation, and visualisation.
➢ Data preparation: handling missing values, encoding, scaling, selection, validation.
➢ Machine Learning: regression, classification, clustering.
➢ Utilising computer vision: hand, face, and eye detection

KEY ACHIEVEMENTS

- ➢ Exhibited exceptional resilience and adaptability in navigating unforeseen challenges during the COVID-19 pandemic whilst studying for a master's degree in public health. Successfully managed increased workload and course end date change, completing all assignments and dissertation on time. Achieved a distinction for dissertation and assignments, demonstrating outstanding academic performance.
- ➢ Proactively pursued a career change in IT, focusing on data science and data analytics. Enrolled in training programmes, showcasing determination and commitment to mastering this field. Successfully completed programmes, acquiring new skills and knowledge, and establishing a solid foundation in a fast-evolving industry.
- ➢ Overcame significant linguistic and academic challenges while undertaking an undergraduate medical degree in Russian. Achieved a second-class upper grade, demonstrating an outstanding level of academic excellence. Successfully won a Russian language competition, highlighting exceptional language proficiency and cultural competence.

CAREER SUMMARY

Live-In Carer I Ranger Home Care   **01/2022 – Present**

- ➢ Demonstrate a sympathetic, compassionate, courteous and helpful attitude toward clients and relatives at all times.
- ➢ Collaborate with the care coordinator, registered manager, and relatives of clients to provide person-centred care to clients.
- ➢ Monitor and report any changes in the health or behaviour of clients to the care coordinator.

Data Scientist & Analyst | 10Alytics   **01/2023 – 02/2024**

- ➢ Analysed Nigerian auto market for a leading Chinese firm, achieving a 20% market share increase in the initial quarter.
- ➢ Utilised Python and Pandas for data preparation and generated accurate insights that played a direct role in shaping strategic decisions.
- ➢ Utilised Matplotlib and Seaborn to create informative visualisations that supported findings.

Medical Data Analyst & Scientist I Mountain View Community Hospital   **09/2020 – 02/2021**

- ➢ By meticulously implementing data compilation and organisation of healthcare data within a database, a 10% reduction in consultation times was attained, resulting in improved doctor-to-patient ratios and a 20% boost in patient satisfaction. The enhanced accessibility and retrieval efficiency of data played a pivotal role in achieving these outcomes.
- ➢ Demonstrated excellent analytical skills and used tools like SQL and Excel to extract insights from healthcare data.
- ➢ Conducted thorough healthcare data analysis and attained a 15% decrease in hospital readmissions.
- ➢ Provided effective healthcare insights by monitoring disease trends, which informed strategic healthcare delivery decisions and improved patient outcomes.
- ➢ Fostered collaborative relationships with a cross-functional team including health professionals to ensure the successful implementation of valuable healthcare measures.