[Mike Thomas

kudath@yahoo.co.uk [+447910913807] LinkedIn Profile URL:
https://www.linkedin.com/in/mike-thomas-4a4b84287/

Github: https://github.com/Mikemupararano?tab=repositories

Objective: Dedicated Data Scientist and Web Developer with a passion for leveraging data-driven insights to develop interactive and user-friendly web applications. Seeking a challenging role where I can apply my expertise in data analysis, machine learning, and web development to drive innovation and solve complex problems.

Education:

- [Degree in Physics, Mathematics & Computer Studies] [University of Varona-Cuba] [September 1991-July 1996]
    - Relevant courses: [Physics, methods of mathematical physics, statistics, computer programming, Calculus, Linear Algebra, Algebra & Geometry, Matrices, Integration/Differentiation, Fourier Series, Theoretical Physics]
- [Master of Science in Human Resources & Leadership] [University of Law [June 2019 – June 2020]
    - Thesis/Dissertation: [Can a bottom-up management approach influence the establishment of a PERMA-based model of well-being in secondary school education? : A case study based on Bethany]
- [Master of Science in Renewable Energy Technologies] [University of Zimbabwe-Harare [January 2001 – December 2002]
- Statistics & Meteorology
- Radiation Physics
- Photovoltaics
- Solar Thermal Collectors
- Renewable System Components
- Storage Components
- Renewable Energy System Components
- Economic Analysis of Energy Systems
- Case Studies
- Wind Energy
- Micro Hydro Power Plants
- Biomass & Biogas
- Computer Simulation of Renewable Energy System Performance
- Industrial Attachment
- Dissertation

Skills: **Data Science:**

- Data Analysis and Visualization: Python (NumPy, pandas, Matplotlib, Seaborn)
- Statistical Analysis: Hypothesis testing, regression analysis, time series analysis
- Data Manipulation: SQL, data preprocessing, feature engineering
- Data Visualization: Power BI, Chart.js
- Maths for Data Science

Web Development:

- Front-end Development: HTML5, CSS3, JavaScript, Bootstrap, API, Day.Js, JQuery
- Version Control: Git, GitHub

Professional Experience:

Physics Teacher & head of Science | Bethany School | Cranbrook, TN17 1LB| Month 2003 - Present

- Leading and managing the delivery of science within the curriculum
- Assisting with the appointment of new science staff and managing their induction
- Preparation and management of the science department handbook
- Annually evaluate all exam results within the department
- Teaching A-level Physics plus GCSE Physics, Biology, and Chemistry including KS3 Science
- Ensuring the department schemes of work are up to date
- Using CEM data to set appropriate targets for the science pupils
- Management and overseeing of the Science department budget
- Monitoring teaching and learning
- Directly supervising and supporting STEM in national competitions
- Supervising and supporting Science Olympiads
- Moderation of KS4 and 5 coursework
- Placing pupils in the correct sets
- Organising and chairing regular science department meetings
- Carrying out science department staff reviews
- Organising school trips within the UK

Projects:

- [Projects
  - Description:

I have worked on various projects using python, Matplotlib, HTML, CSS and JavaScript, Bootstrap. I am finishing my Web Development course on 30th March 2024.

- GitHub Repository: Provide a link to the project's code repository: https://github.com/Mikemupararano?tab=repositories
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- Anaconda: https://anaconda.cloud/api/nbserve/launch_notebook?nb_url=https%3A%2F%2Fanaconda.cloud%2Fapi%2Fprojects%2F2bcf3ff5-4812-4bd9-baeb-1da7bebf7163%2Fversions%2Fff314c4f-22f2-4275-98ee-1d6e643099c0%2Ffiles%2Fdata_visualisation.ipynb
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Certifications:

- Maths for Data Science, Power BI (See LinkedIn: https://www.linkedin.com/in/mike-thomas-4a4b84287/
- Languages: English
- English (Fluent)
- [Additional Languages: Spanish]

References: Available upon request.