**Hemant Thapa**

Glasgow, United Kingdom | 07752106224 | [LinkedIn Link](https://www.linkedin.com/in/thapahemant/)  | [analyticalharry.github.io](https://analyticalharry.github.io/)

Enthusiastic and result-driven Data Analyst with a background in Mechanical Engineering and Data Science, I am eager to make a significant contribution to team success. Proficient in Python, SQL and with experience in machine learning, I can analyse large amounts of data, build predictive models, and turn it into meaningful insights that can drive business strategy.

**Education & Qualification**

**HyperionDev** 2022 - 2023

Department for Education Data Science (Fully Funded UK's Government Training Program)

**The University of the West of Scotland** 2019 - 2022

BEng (Hons) in Mechanical Engineering

**City of Glasgow College**  2017 -2019

Higher National Diploma in Naval Architecture and Marine Engineering

**Work Experience**

**Demola Group – Student Researcher**

* Designed and implemented a machine learning library for predictive analysis, streamlining data processing and enhancing overall efficiency.
* Conducted thorough analysis of existing machine learning algorithms and frameworks, identifying areas for improvement and optimisation.
* Accomplished the acquisition of European Credit Transfer and Accumulation System (ECTS) credits from Kajaani University of Applied Sciences (KAMK), acknowledging the substantial contributions made while serving as a Machine Learning Library Analyst in a volunteer capacity.

**HyperionDev - Data Analyst**

* Completed comprehensive training in machine learning engineering, acquiring proficiency in Python, NumPy, Pandas, Matplotlib, Seaborn, Tableau, and advanced data manipulation for both structured and unstructured data.
* Developed expertise in Scikit-learn and TensorFlow for machine learning model implementation, evaluation, and optimisation.
* Established proficiency in data text manipulation and feature engineering to enhance predictive modeling.
* Expertise in the art of storytelling in the dynamic landscape of data analysis, weaving intricate narratives to transform complex insights into accessible and compelling stories.

**Post Office Ltd** – Supervisor

* Assisted customers with deposits and withdrawals from savings accounts, ensuring a seamless banking experience.
* Provided weekly support to pensioners for secure withdrawals from HMRC pension accounts.
* Managed various financial services, including benefits and premium bonds.
* Facilitated HMRC postal orders for fines and fees, ensuring accurate and timely processing.
* Held complete responsibility for daily payment analysis and cash declarations at the close of business.
* Maintained meticulous trading records, ensuring accurate book balancing at the end of each day.

**Moore Global** – Junior Administrator

* Data mining and data entry of England, Whales, Scotland, and Northern Ireland-based companies.
* Responsibly perform, technical analysis and fundamental analysis of the U.K companies for data validation.
* Data cleaning through excel and organising through excel pivot table.
* Assisting with quality assurance compliance.
* Preparation of capital allowance reports for submission to clients.
* Engaging in the dynamic study of regulations and the current activities and statuses of companies in a rapidly evolving business landscape.

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| --- | --- | --- | --- | --- |
| Python & Java Script | Big Data | Data Mining | Data pre-processing | Data Visualisation |
| Advanced Mathematics | Machine Learning | Deep Learning | Clustering Analysis | Dimensionality Reduction Analysis |
| Hypothesis Testing | Building ML Models | Text Mining | Time Series Analysis | Dashboard and KPI (Tableau) |
| Natural Language Processing | Statistical Analysis | Data Governance | Hypothesis Testing | Quantitative & Qualitative Analysis |

**Technical Skills**

**Asset Management skills**

|  |  |  |  |
| --- | --- | --- | --- |
| Economic and Market Analysis | Trend Analysis | Market Research | PESTLE Analysis |
| SWOT Analysis | Financial Accounting | Technical Analysis | Fundamental Analysis |
| Sales forecasting | Start-up valuation | Quantitative analysis | Break-Even Analysis |
| Innovation Assessment | Competitor analysis | Portfolio construction | Valuation and Risk Model |

**Software and Expertise**

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| --- | --- | --- | --- | --- |
| Python | Microsoft SQL | SQL lite | Tableau | Power BI |
| Jupyter Notebook | Visual Studio Code | MS Word | Ms Excel | MS Visio |
| MS PowerPoint | MS Team | Google Sheet | Adobe Photoshop | Git Hub |

**Soft Skills**

|  |  |  |  |
| --- | --- | --- | --- |
| Administrative Operations | Client Relationships | Report writing | Record Management |
| Problem Solving | Leadership | Teamwork | Active Listening |
| Effective Communication | Public Speaking | Critical Thinking | Result oriented |

**Data Science and A.I Project /** [**Portfolio Link**](https://analyticalharry.github.io/) **/** [**GitHub Link**](https://github.com/AnalyticalHarry)

[Python Programming](https://github.com/AnalyticalHarry/PythonPortfolioDataScience) [Regression Analysis](https://github.com/AnalyticalHarry/RegressionAnalysisPythonPortfolio) [Classification Analysis](https://github.com/AnalyticalHarry/ClassificationPythonPortfolio)

[Cluster Analysis](https://github.com/AnalyticalHarry/ClusterAnalysisPortfolio) [Deep Learning Model](https://github.com/AnalyticalHarry/DeepLearningPythonPortfolio)  [Nature Language Processing (NLP)](https://github.com/AnalyticalHarry/NaturalLanguageProcessingSentimentalAnalysis)

[Advance Statistics using python](https://github.com/AnalyticalHarry/AdvanceStatisticsPythonPortfolio) [NumPy Operations](https://github.com/AnalyticalHarry/MatricsWithNumPy)  [Department for Education Data Science Projects](https://github.com/AnalyticalHarry/TheDepartmentForEducation-DfE-DataScience)

**Training & Certifications**

[Google Advanced Data Analytics](https://www.coursera.org/account/accomplishments/specialization/certificate/F54FD7EBQBNN) 11/2023

[Data Analysis with Python](https://www.freecodecamp.org/certification/fcc546c02b3-9623-44b3-b5c2-dc7ba53bb673/data-analysis-with-python-v7) 6/2023

[Scientific Computing with Python](https://www.freecodecamp.org/certification/fcc546c02b3-9623-44b3-b5c2-dc7ba53bb673/scientific-computing-with-python-v7) 5/2023

[IBM Data Science](https://www.coursera.org/account/accomplishments/specialization/certificate/W7SS5G567VZA) 3/2023

[Project AI Co-Worker](https://portal.demola.net/certificates/0441157818671-256f477) 3/2023

[Basic Data Processing and Visualisation](https://www.coursera.org/account/accomplishments/verify/3VGXS6C26ZTW) 3/2023

[Data Visualisation](https://www.kaggle.com/learn/certification/harryworlds/data-visualization) 3/2023

[Pandas Data Frame](https://www.kaggle.com/learn/certification/harryworlds/python) 3/2023

[Python Programming](https://www.kaggle.com/learn/certification/harryworlds/python) 3/2023

[Introduction to Programming](https://www.kaggle.com/learn/certification/harryworlds/intro-to-programming) 3/2023

[Python and Statistics for Financial Analysis](https://www.coursera.org/account/accomplishments/certificate/7QS6AZB98VF3) 3/2023

**YouTube Videos /** [**YouTube Link**](https://www.youtube.com/@AnalyticalHarry)

[Teaching Python Programming in bit size](https://www.youtube.com/watch?v=TALvYi5mbjs&list=PL_mMpzhZWPmJpocdaZdGDHWK2-dOGGJbI&index=2)

[Quant and Advanced Statistics](https://www.youtube.com/watch?v=BQmLMO-WG6I&list=PL_mMpzhZWPmJXIn4y8n_iRzEGVlJmCAHx)

**Start-Up & Student Mentor /** [**Top Mate Link**](https://www.youtube.com/@AnalyticalHarry)

I actively contribute to the data science community by offering free mentorship and guidance to individuals seeking to enhance their skills and knowledge in the field.