

Hemant Thapa

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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, Wales, 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.

Technical Skills

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

Asset Management skills

Economic and Market Analysis
SWOT Analysis
Sales forecasting
Innovation Assessment

Trend Analysis
Financial Accounting
Start-up valuation
Competitor analysis

Market Research
Technical Analysis
Quantitative analysis
Portfolio construction

PESTLE Analysis
Fundamental Analysis
Break-Even Analysis
Valuation and Risk Model

Software and Expertise

Python
Jupyter Notebook
MS PowerPoint

Microsoft SQL
Visual Studio Code
MS Team

SQL lite
MS Word
Google Sheet

Tableau
Ms Excel
Adobe Photoshop

Power BI
MS Visio
Git Hub

Soft Skills

Administrative Operations
Problem Solving
Effective Communication

Client Relationships
Leadership
Public Speaking

Report writing
Teamwork
Critical Thinking

Record Management
Active Listening
Result oriented

Data Science and A.I Project / [Portfolio Link](#) / [GitHub Link](#)

[Python Programming](#)

[Regression Analysis](#)

[Classification Analysis](#)

[Cluster Analysis](#)

[Deep Learning Model](#)

[Nature Language Processing \(NLP\)](#)

[Advance Statistics using python](#)

[NumPy Operations](#)

[Department for Education Data Science Projects](#)

Training & Certifications

[Google Advanced Data Analytics](#)

11/2023

[Data Analysis with Python](#)

6/2023

[Scientific Computing with Python](#)

5/2023

[IBM Data Science](#)

3/2023

[Project AI Co-Worker](#)

3/2023

[Basic Data Processing and Visualisation](#)

3/2023

[Data Visualisation](#)

3/2023

[Pandas Data Frame](#)

3/2023

[Python Programming](#)

3/2023

[Introduction to Programming](#)

3/2023

[Python and Statistics for Financial Analysis](#)

3/2023

YouTube Videos / [YouTube Link](#)

[Teaching Python Programming in bit size](#)

[Quant and Advanced Statistics](#)

Start-Up & Student Mentor / [Top Mate Link](#)

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.