Hemant Thapa

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Enthusiastic and results-driven professional with a passion for bringing ideas to life and constructing tangible solutions. Recognised for a keen interest in building and transforming conceptual visions into real-world applications. Proficient in programming and with hands-on experience in machine learning and deep learning, I can analyse big data, construct predictive models, and translate data into meaningful insights that 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   3/2023 – 5/2023

- 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   11/2022 – 2/2023

- 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   3/2022 – 11/2022

- Assisted customers with deposits and withdrawals from savings accounts, ensuring a seamless and confidential banking experience while maintaining the privacy of their details.
- Provided weekly support to pensioners for secure withdrawals from HMRC pension accounts.
- Managed various financial services, including benefits and premium bonds.
- 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   4/2021 – 3/2022

- 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.
- Assisting with quality assurance compliance and preparation of capital allowance reports for clients.

Technical Skills

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

Asset Management skills

Market Analysis	**Trend Analysis**	**Sentimental Analysis**	**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**	**Budget Management**

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 | github.com/AnalyticalHarry

Python Programming	**Regression Analysis**	**Classification Analysis**
Cluster Analysis	**Deep Learning Model**	**Nature Language Processing (NLP)**
Advance Statistics using python	**NumPy Operations**	**DFE 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 | www.youtube.com/@AnalyticalHarry

Teaching Python Programming in bit size clips

Student Mentor | topmate.io/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.