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, 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.

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	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

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 / 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.