HEMANT THAPA

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PROFESSIONAL SUMMARY

- I can analyse big data, construct predictive models, and translate data into meaningful insights that drive business strategy.
- 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.

Multi-faceted retail executive with expertise in:

Python – Machine Learning & Deep Learning – SQL - Statistical Modeling
Dashboard and KPI (Tableau) – Client Relationships – Administrative Operations – Report Writing

EXPERIENCE

FUTURE ANALYST   **Mar 2023 – May 2023**
University of the West of Scotland, Paisley, High St, Paisley PA1 2BE

Conducted extensive research to predict the evolving impact of artificial intelligence across diverse industries and society. Innovatively designed a comprehensive machine learning library from scratch, equipped to handle tasks including linear and non-linear regression, classification, PCA, exponential moving averages, k-means, feature scaling, and more.

- Within the Demola Group project, I successfully managed my team's efforts in building Artificial Intelligence while simultaneously dedicating time as a full-time programmer and volunteer researcher.
- We created a helpful tool – a mix of a linear regression model and a user-friendly scatter plot – that works with a voice assistant. Now, people can easily check and understand stock prices without needing any programming or tech skills. We made it happen through regular meetings and good time management
- Led a team of two students, one specialising in Big Data analysis and the other in psychology. Together, we transformed our idea from concept to reality, leveraging the distinct strengths of each team member.
- 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 Future Analyst in a volunteer capacity.

DATA ANALYST   **Nov 2022 – Feb 2023**
HyperionDev, South Africa (Remote work)

- Leveraged expertise in Python, Tableau, Microsoft Excel, machine learning libraries, and report writing to deliver insightful data analysis and data-driven decision making.
- Undertaking and implemented data cleaning, transformation, and validation processes in Python to prepare raw data for analysis. Utilised libraries such as Pandas, NumPy, and SciPy to perform complex data manipulation tasks.
- Utilised Tableau to create interactive visualisations and dashboards, offering clear and actionable insights into business performance and trends for effective decision-making.
- Applied machine learning algorithms and libraries, such as Scikit-learn, TensorFlow, and Keras, to develop predictive models and uncover hidden patterns within large datasets. Utilised supervised and unsupervised learning techniques, such as regression, classification, clustering, and dimensionality reduction.
- Engaging with datasets in marketing, finance, and operations to pinpoint opportunities for process enhancement and deploy data-driven solutions.

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SUPERVISOR   **Mar 2022 – Nov 2022**
Scotstounhill Post Office, Glasgow, Scotland, United Kingdom

- Assisting customers during deposit and withdrawal of security from their savings accounts.
- Maintaining good relationship with customers and stakeholders, dedicated to upholding trust as an unbreakable bond between these vital connections.
- Proficiently managing documentation and providing assistance to individuals facing language challenges, committed to cultivating trust for business prosperity.
- Managing and training staff at the post office with a focus on responsibility and efficiency.
- Weekly helping elders and pensioners to withdraw security from HMRC pension account.
- Dealing with financial services, such as benefits and premium bonds.
- Solely accountable for overseeing daily cash collection and handling end-of-trading cash declarations.
- Keeping records and making sure the books balance at the end of each day.

JUNIOR ADMINISTRATOR   **Apr 2021 – Mar 2022**
Moore Global, Glasgow, Scotland, United Kingdom

- Data mining and data entry for companies based in England, Wales, Scotland, and Northern Ireland.
- Under the guidance of Moore Global, acquired proficiency in financial statement analysis, encompassing cash flow, income statements, and balance sheets
- Conducting technical and fundamental analysis of U.K. companies to validate data through HMRC.
- Cleaning and organising data using Excel and pivot tables.
- Assisting with quality assurance compliance to ensure data accuracy and consistency.
- Preparing capital allowance reports for submission to clients.
- Communicating effectively with colleagues and clients from diverse backgrounds.
- Adhering to ethical and professional standards and maintaining the confidentiality of sensitive information.

EDUCATION & CERTIFICATIONS

Google Advanced Data Analytics   Nov 2023
https://www.coursera.org/account/accomplishments/specialization/certificate/F54FD7EBQBNN

IBM Data Science   May 2023
https://www.coursera.org/account/accomplishments/specialization/certificate/W7SS5G567VZA

Demola Global – AI Co-worker   May 2023
https://portal.demola.net/certificates/0441157818671-256f477

University of California San Diego   Mar 2023
https://www.coursera.org/account/accomplishments/verify/3VGXS6C26ZTW

University of the West of Scotland, Paisley, High St, Paisley PA1 2BE   Jan 2022
Bachelor of Engineering (Hons) in Mechanical Engineering

City of Glasgow College   Aug 2019
Higher National Diploma in Naval Architecture and Marine Engineering

PORTFOLIO

Website: https://analyticalharry.github.io/
GitHub: https://github.com/AnalyticalHarry
YouTube: https://www.youtube.com/@AnalyticalHarry
Mentorship: https://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.