Maheshwor Tiwari

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**Residency Status:** On student visa; applying for **Subclass 485 Temporary Graduate Visa**

**Open to:** Roles in data analysis, data engineering, data visualisation, and other data-related positions across industries. Flexible and adaptable to varied job requirements.

**CAREER PROFILE**

Resourceful and adaptable professional with a Master’s in Data Science and two years of experience in analytics, problem-solving, and project management. Skilled in leveraging Python, SQL, Tableau, Excel to optimize processes, deliver actionable insights, and enhance operational efficiency. Open to opportunities in diverse fields, bringing a strong work ethic, quick learning ability, and a passion for driving results in dynamic environments.

**KEY SKILLS**

* **Technical Expertise:** Proficient in Python, SQL, Tableau, Power BI, and Excel for data analysis, visualization, and reporting.
* **ETL Processes:** Skilled in extracting, transforming, and loading (ETL) data pipelines to efficiently manage and integrate large datasets.
* **Data Analysis & Visualization:** Expertise in creating actionable insights and dynamic dashboards to support decision-making.
* **Data Management:** Adept at ensuring data accuracy, integrity, and consistency across platforms.
* **Problem-Solving:** Experienced in analyzing challenges, identifying inefficiencies, and implementing practical solutions to optimize workflows.
* **Adaptability:** Quick learner, capable of mastering new tools, systems, and processes to meet varied job requirements.
* **Communication:** Strong written and verbal communication skills for effective collaboration with teams and stakeholders.
* **Team Collaboration:** Proven ability to work cross-functionally to achieve common goals and deliver impactful results.
* **Organizational Skills:** Ability to prioritize tasks and manage multiple responsibilities under tight deadlines.

**EDUCATION**

**Master of Data Science** Mar 2023 - Oct 2024

Charles Darwin University, Sydney, Australia **GPA - 6.35 /7**

**Bachelor of Science in Information Technology** **GPA** **-** **83%** Jul 2014 – Aug 2018

Tribhuvan University, Kathmandu, Nepal

**PROFESSIONAL EXPERIENCE**

**Data Analyst**  
iBuild Building Solutions, Victoria, Australia (Jan 2024 – Jun 2024)

* Led data aggregation for property listings, enabling the creation of dynamic Power BI dashboards that reduced client reporting time by 30%, improving visibility into property trends.
* Conducted geospatial analysis to identify high-demand areas, leading to a 20% increase in targeted marketing campaigns' efficiency.
* Automated rental market analysis reports using Python, cutting data processing time by 15% and ensuring on-time delivery of insights to stakeholders.
* Partnered with the marketing and sales teams to identify data-driven strategies that improved client acquisition rates by 10% through more accurate market forecasting.

**Data Insight & Analyst**Property Console, Sydney, Australia (Mar 2023 – Nov 2023)

* Developed real-time dashboards using Power BI to track project timelines and resource allocations, reducing reporting delays by 25%.
* Performed cost trend analysis on procurement data, identifying inefficiencies that saved $10,000 annually in material costs.
* Optimized inventory management processes by integrating predictive models into tracking systems, reducing stock shortages by 20%.
* Collaborated with project managers and procurement teams to ensure accurate data reporting, improving on-time delivery rates by 15%.

**Data Analyst**  
Cotiviti Nepal, Kathmandu, Nepal (Sep 2022 – Mar 2023)

* Enhanced data validation workflows by implementing automated checks, ensuring 99% data accuracy across a diverse dataset of over 100,000 financial records, minimizing errors in reporting.
* Designed and launched interactive Power BI dashboards tailored for claims and vendor payment analysis, leading to a 30% improvement in reporting efficiency and faster resolution of payment discrepancies.
* Conducted time-series analysis on payment cycle trends, uncovering inefficiencies that reduced vendor payment delays by 15%, improving overall satisfaction.
* Collaborated with cross-functional teams to deliver customized reports and visualizations, aiding finance managers in identifying cost-reduction opportunities and streamlining approval processes.

**UNIVERSITY PROJECTS**

**Thesis: Optimisation of Yolov8n Model for Real-Time Corrosion Detection (Grade: 89/100)**

* Reduced model size by 11.39% and improved inference time by 39.34% with pruning techniques.
* Demonstrated fine-tuning strategies achieving a minimal 7.43% drop in detection precision.
* Applied findings to enhance model performance using drones and edge devices.
* Contributed to industrial inspection innovations by improving real-time object detection models.

**Heart Attack Risk Prediction (Grade of 37/40)**

* Implemented logistic regression, random forests, and deep learning models to predict heart attack risks.
* Addressed imbalanced datasets using undersampling techniques to enhance prediction reliability.
* Presented findings through clear, data-driven visualisations to support decision-making.

**CERTIFICATIONS**

* [SQL, Linkedin Learning](https://www.linkedin.com/learning/certificates/5cf2c9981f72f7d428662d7a864fbec1e2199a298b2670b28b9dbbafd7ef20f4)
* [Google Analytics, Skillshop, Google](https://skillshop.credential.net/18fda0a1-3556-44f8-bacb-53d1db6decd3)
* Snowflake Certifications: [Data Warehousing,](https://achieve.snowflake.com/673a1002-798d-4670-bf0c-7cacbf58d533" \l "gs.b2x8e8) [Data Engineering](https://achieve.snowflake.com/d850d80f-b30f-427b-96e8-1047613fbdfb#gs.b2x8v1), [Data Lake Warehouse](https://achieve.snowflake.com/f8de3fc6-9096-4dac-a50f-9eb5ba596ba1#gs.b2x8wi), [Collaboration, Marketplace & Cost Estimation](https://achieve.snowflake.com/df874bc8-6561-4c3e-80df-bd063ec5b422#gs.b2x8fd)

As a recent graduate, I am enthusiastic about beginning my professional career at EY, a company renowned for its innovation, impact, and dedication to solving complex business challenges. EY's global reputation as a leader in leveraging technology and data to drive transformation makes it an ideal organization for me to grow, contribute, and build a strong foundation in the field of data analytics. The firm’s emphasis on continuous learning, collaboration, and creating meaningful value for clients strongly resonates with my aspirations to be part of cutting-edge projects that make a real difference.

My first preference is Technical - Core Services, particularly the AI and Data team. This area aligns seamlessly with my academic background and my passion for applying data science and machine learning to solve real-world problems. During my studies, I developed strong skills in data analysis, statistical modeling, and building predictive models, and I am eager to apply these capabilities in a dynamic and challenging environment like EY. I can also imagine myself creating simple yet visually impactful dashboards that enable clients to make strategic decisions based on data. I am confident in my ability to clean and prepare raw data for analysis, ensuring its accuracy and usability for generating actionable insights.

With guidance from experienced professionals at EY, I look forward to expanding my contributions by learning and applying advanced tools and methodologies to enhance the value delivered by the AI and Data team. I am particularly drawn to the opportunity to work on diverse projects across multiple industries, allowing me to expand my expertise while addressing unique challenges with innovative solutions.

What excites me most about the AI and Data team is the chance to be at the forefront of technological advancements, contributing to projects that harness the power of analytics to drive decision-making and business success. The opportunity to collaborate with experienced professionals, tackle complex data-driven problems, and leverage cutting-edge tools and methodologies aligns perfectly with my career goals. I am confident that joining EY will provide me with the platform to grow both personally and professionally while making meaningful contributions to the firm’s mission of building a better working world.

For Entry Level

**Recent Master’s graduate in Data Science from Charles Darwin University with hands-on experience in SQL, Python, and Power BI through projects and internships. Skilled in creating dashboards, developing predictive models, and analyzing large datasets to uncover actionable insights. Excited to bring my expertise to [Company Name] and contribute to solving business challenges through data-driven decision-making**

**Data Science Professional with over 2 years of experience in analytics, specializing in SQL, Tableau, and Python. Skilled in analyzing complex datasets to generate actionable insights that drive strategic decisions. Passionate about leveraging data to solve business challenges, explore diverse industries, and deliver impactful, measurable outcomes through data-driven solutions."**