Maheshwor Tiwari

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**CAREER PROFILE**

Dynamic Data Science Professional with over 2 years of hands-on experience in analytics, specializing in SQL, Tableau, and Python. Adept at transforming complex datasets into actionable insights to drive strategic decision-making. Enthusiastic about exploring diverse industries, gaining cross-functional expertise, and contributing impactful solutions to data-driven projects. Skilled in leveraging data to inform business strategies and deliver measurable outcomes.

**KEY SKILLS**

* Advanced SQL skills, proficient in writing and interpreting complex queries for analytics tasks.
* Strong experience in Power BI for dashboard creation and data visualisation.
* Proficient in Python and Excel for data analysis and automation.
* Ability to uncover insights through analysis of large and diverse datasets.
* Excellent interpersonal and communication skills to work effectively with stakeholders.
* Strong ability to manage and prioritise multiple tasks in dynamic environments.

**EDUCATION**

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

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

**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.

**Bachelor of Science in Information Technology** Jul 2014 – Aug 2018

Tribhuvan University, Kathmandu, Nepal

**PROFESSIONAL EXPERIENCE**

**Data Analyst** Jan 2024 – Jun 2024

iBuild Building Solutions, Victoria, Australia

* Analysed datasets exceeding 100,000 records, ensuring 99% accuracy and integrity.
* Developed Power BI dashboards to analyse customer text data and identify top 20 queries, enhancing response strategies and decision-making.
* Conducted ad-hoc analyses to uncover actionable insights from customer datasets, improving response times.
* Ensured 99% accuracy in datasets by identifying and addressing data discrepancies.

**Data Insight & Analyst** Mar 2023 - Nov 2023

Property Console,Sydney, Australia

* Identified patterns and insights of user data through statistical analysis to inform strategic decision-making.
* Created interactive dashboards using Power BI and Excel, reducing reporting time by 30%.
* Delivered high-quality insights and reports to stakeholders in a clear and concise manner.

**UNIVERSITY PROJECT (MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE)**

**Heart Attack Risk Prediction (**Grade of 37/40) Oct 2024

* 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)