Maheshwor Tiwari

0414 032 507 | maheshtwari99@gmail.com | [Blogs on Medium](https://medium.com/@maheshtwari99) | [GitHub](https://github.com/mahesh989) | [Dashboard Portfolio](https://public.tableau.com/app/profile/maheshwor.tiwari4503/vizzes)

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

**CAREER PROFILE**

Dynamic and detail-oriented Data Analyst with a strong foundation in Python, data analysis, and quantitative problem-solving. Passionate about leveraging computational and analytical expertise to solve complex problems in fast-paced environments. Eager to contribute to Tibra's innovative trading strategies while enhancing skills in financial markets and algorithmic trading systems. Motivated to deepen expertise in proprietary trading technologies.

**KEY SKILLS**

* **Programming Expertise:** Advanced proficiency in Python with hands-on experience in data analysis, machine learning, and automation.
* **Quantitative Problem-Solving:** Skilled in analysing and optimising large datasets, reducing operational inefficiencies.
* **Algorithmic Thinking:** Knowledge of data structures, algorithms, and optimisation techniques.
* **Analytical Tools:** Skilled in SQL and Power BI for creating dashboards, reporting, and data-driven decision-making.
* **Project Management:** Proven ability to manage end-to-end projects with high precision and tight deadlines.
* **Eager Learner:** Strong appetite for learning new technologies, including financial market theories.

**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** Jan 2024 – Jun 2024

iBuild Building Solutions, Victoria, Australia

* Analysed datasets of over 100,000 records, ensuring 99% data accuracy and integrity.
* Developed automated reporting systems using Python, streamlining workflows and reducing processing time by 15%.
* Designed Power BI dashboards to improve visibility into key metrics, enhancing operational decision-making.
* Collaborated with cross-functional teams to optimise inventory tracking systems and solve discrepancies in real time.

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

Property Console,Sydney, Australia

* Utilised Python and SQL to identify patterns in large datasets, contributing to strategic business insights.
* Created custom dashboards using Power BI, reducing reporting time by 30%.
* Conducted ad-hoc analyses to uncover actionable insights, improving response times by 20%.
* Delivered clear and concise reports to stakeholders, enabling data-driven decision-making.

**UNIVERSITY PROJECT**

**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)**  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)