Maheshwor Tiwari

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**CAREER PROFILE**

Data Analyst with over 3 years of experience in data analysis, visualisation, and strategic insights. Proficient in Python and SQL for data analysis and automation, with a strong background in building and maintaining sophisticated models and data-driven tools. Experienced in handling large datasets, conducting quantitative analysis, and developing methodologies consistent with best practices. Seeking to contribute to BloombergNEF's Food and Agriculture team by leveraging my technical expertise and passion for sustainability.

**TECHNICAL SKILLS**

* **Programming & Data Analysis:** Python, SQL, HTML, CSS
* **Visualisation & Analytics Tools:** Excel (Advanced), Tableau, Power BI, Google Analytics
* **Software & Platforms:** GitHub, Visual Studio Code, Basecamp, MS Word, PowerPoint, Docker, Google Docs
* **Databases:** PostgreSQL, MySQL

**Employment History**

**Data Analyst (Contract) Mar 2024 – Jun 2024**

iBuild Building Solutions, Victoria, Australia

* Analysed complex datasets to support strategic marketing decisions, driving data-driven business strategies.
* Developed and maintained Tableau dashboards to effectively communicate insights and improve decision-making.
* Identified opportunities for process optimisation, enhancing operational efficiency and data quality.

**Data Insight & Analyst (Contract) Jun 2023 - Nov 2023**

Property Console,Sydney, Australia

* Utilised SQL and GCP databases to conduct deep data analysis, producing actionable insights for strategic decisions.
* Created compelling data visualisations with Tableau, translating complex data into clear, impactful stories for stakeholders.
* Collaborated with cross-functional teams in an Agile environment to refine data processes and drive innovation.

**Research Assistant Oct 2018 - Sep 2022**

CY Cergy Paris University, Cergy-Pontoise, France

* Applied advanced analytical and innovative computational methods to solve complex problems using Python.
* Presented findings at international conferences, showcasing strong communication and collaborative skills.
* Assisted in maintaining accurate data records, contributing to the integrity of research outcomes.

**PROJECTS (INDIVIDUAL)**

**Parkinson’s Disease (PD) Detection Using Machine Learning** [**GitHub**](https://github.com/mahesh989/Parkinson_Disease)

* Analysed 1039 voice samples to identify key acoustic features distinguishing PD patients from healthy individuals.
* Applied machine learning algorithms to develop a predictive model, enhancing early detection of Parkinson’s Disease.
* Generated visualisations to illustrate findings, aiding in data interpretation and communication of results.

**Predicting Rain Tomorrow in Australia: EDA, Feature Engineering, and Model Evaluation** [**Medium Blog**](https://medium.com/ai-mind-labs/unveiling-australias-rainfall-secrets-a-fascinating-journey-into-weather-data-analysis-part-i-1fb0e2c8506f)

* Conducted exploratory data analysis (EDA) on a large weather dataset, uncovering key patterns influencing rainfall.
* Developed and evaluated predictive models using logistic regression, achieving 95% accuracy in rainfall prediction.
* Applied feature engineering and hyperparameter optimisation to improve model performance and interpretability.

**EDUCATION**

**Master of Data Science**

Charles Darwin University, Sydney, Australia GPA - 6.25 **Mar 2023 - Oct 2024**

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**Master of Theoretical Physics**

CY Cergy Paris University, Cergy, France GPA - 70% **Sep 2016 - Jun 2018**

**Languages**

* English: IELTS score- 7
* French: Intermediate
* Nepali: Native
* Hindi: Professional