

## CONTACT INFORMATION

Maheshwor Tiwari

**0414 032 507 | maheshtwari99@gmail.com | Blogs on Medium | GitHub | Dashboard Portfolio**

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

## EDUCATION

**Master of Data Science**

**Charles Darwin University, Sydney, Australia Mar 2023 - Nov 2024**

**PhD in Physics**

**CY Cergy Paris University, Cergy, France Oct 2018 - Sep 2022**

**Master of Theoretical Physics**

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

## EXPERIENCE

Data Analyst

The Bitrates, Sydney, New South Wales, Australia

Designed and implemented Python scripts for data cleaning, preprocessing, and analysis, improving data pipeline efficiency by 30%

Developed machine learning models in Python for predictive analytics, enabling data-driven business decisions

Leveraged AI techniques to automate repetitive tasks, reducing manual effort and improving productivity

Built dynamic dashboards and visualizations using Python libraries like Matplotlib and Seaborn to communicate insights effectively

Integrated Google Analytics data with Python for advanced analysis, enhancing customer behavior insights

Data Analyst

iBuild Building Solutions, Victoria, Australia

Automated data extraction and structuring of population datasets using Python, improving data accuracy and team collaboration

Analyzed customer support data with Python to optimize response times and enhance operational efficiency

Developed Python-based solutions to generate actionable insights, meeting strict deadlines for strategic decision-making

Designed Python scripts to create dynamic reports and dashboards, significantly improving customer satisfaction and decision-making processes

Software Engineer and Analyst

Property Console, Sydney, Australia

Built Python scripts to track key metrics, ensuring 99% data accuracy and improving data integrity and operational efficiency

Collaborated with the development team to enhance analytics capabilities, using Python to improve data processing speed by 25%

Leveraged Python for data preprocessing and analysis, producing Tableau dashboards that improved decision-making

Supported cross-functional teams with Python-driven insights, enabling customer-focused initiatives

## **PROJECTS**

### **Machine Learning Model Development**

Developed a machine learning model using Python and scikit-learn to predict customer behavior, resulting in a 20% increase in targeted marketing efficiency

Implemented data preprocessing techniques to enhance model accuracy and reduce false positives by 15%

Collaborated with cross-functional teams to deploy the model in a production environment, leading to improved customer segmentation

### **Data Dashboard Creation**

Designed and implemented interactive dashboards using Tableau and Power BI to visualize key performance indicators, resulting in a 25% increase in data-driven decision-making

Integrated multiple data sources to create a comprehensive view of business metrics, improving operational transparency and efficiency

Customized dashboard layouts and functionalities based on user feedback, enhancing usability and adoption rates

## **SKILLS**

Python programming, data analysis, automation, machine learning, Pandas, NumPy, scikit-learn, SQL, Tableau, Power BI, GitHub, Docker, Snowflake, Visual Studio Code, Google Analytics, Excel