

# Maheshwor Tiwari

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Portfolio

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## Education

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- 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

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- Data Analyst, The Bitrates, Sydney, New South Wales, Australia, Jul 2024 – Present - 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.
- Built dynamic dashboards and visualizations using Python libraries like Matplotlib and Seaborn to communicate insights effectively.

## Projects

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- 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.

## Skills

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- Python programming for data analysis, automation, and machine learning
- SQL for querying, modeling, and managing complex relational databases
- Tableau, Power BI, and Matplotlib for creating interactive dashboards and visualizations
- GitHub for version control, Docker for containerization, and Snowflake for cloud data warehousing
- Visual Studio Code, Google Analytics, and Excel for data-driven solutions and reporting