

# Maheshwor Tiwari

Sydney, Australia

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## EDUCATION

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### Charles Darwin University

*Master of Data Science*

Sydney, Australia

*Mar 2023 - Nov 2024*

### CY Cergy Paris University

*PhD in Physics*

Cergy, France

*Oct 2018 - Sep 2022*

### CY Cergy Paris University

*Master of Theoretical Physics*

Cergy, France

*Sep 2016 - Jun 2018*

## EXPERIENCE

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### The Bitrates

*Data Analyst*

Sydney, New South Wales, Australia

*2022 – 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
- 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

### iBuild Building Solutions

*Data Analyst*

Victoria, Australia

*2022 – Present*

- 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

## PROJECTS

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### Customer Churn Prediction Model

Python, SQL

- Developed a machine learning pipeline using Python and TensorFlow to predict customer churn, improving retention forecasting accuracy by 25% and saving \$200K annually
- Implemented data governance best practices to ensure data integrity and compliance with industry regulations
- Collaborated with cross-functional teams to gather data requirements and ensure accurate model training

## SKILLS

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- Programming Languages: Python programming
- Databases Query Languages: SQL
- Data Science Analytics: data analysis, machine learning
- Data Visualization BI: Tableau, Power BI
- Data Processing Management: automation
- Cloud DevOps: GitHub, Docker
- Tools Platforms: Snowflake, Visual Studio Code, Google Analytics, Excel