# CONTACT INFORMATION

# Maheshwor Tiwari

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

# EDUCATION

Master of Data Science

Charles Darwin University, Sydney, Australia

GPA 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

# Research Assistant

CY Cergy Paris University, Cergy-Pontoise, France

* Utilized advanced Python programming for computational modeling and solving complex research problems

# • Developed Python-based workflows to manage and analyze large datasets across multiple research projects

# • Presented Python-enabled research findings at international conferences, demonstrating technical expertise and communication skills

Lecturer and Course Facilitator

CY Cergy Paris University, Cergy-Pontoise, France

* Led engaging physics tutorials for master’s students, enhancing understanding and promoting teamwork

# • Designed course materials, assignments, and exams, strengthening the learning experience

# • Mentored students on projects, collaborated with faculty, and fostered student engagement

# Research Intern

CY Cergy Paris University, Cergy-Pontoise, France

* Developed proficiency in Python programming by researching the effect of magnetic fields on 2D materials
* Managed and analyzed complex datasets, improving their accuracy and reliability

# • Used dashboard using Power BI to present research findings and participated in weekly reviews, improving collaboration and research skills

# 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