Profile Summary

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Michael Di Giantomasso is an emerging **data-focused technologist** currently pursuing a **double degree in Commerce (Business Analytics) and Software Engineering at Monash University**. He demonstrates a well-rounded combination of **technical proficiency, analytical thinking, and leadership experience** that bridges data science, automation, and operational management.

His academic and project portfolio reflects **strong foundations in data analytics, machine learning, and quantitative modelling**, complemented by proficiency in **Python, R, SQL, Tableau, TensorFlow, and Keras**. These skills are consistently applied in both professional and project-based contexts — using data-driven insights to enhance efficiency, performance, and decision-making.

Academic Achievements

- Completing a **double degree in Commerce and Software Engineering** with a focus on **Business Analytics**.

- Achieved a **WAM of 67**, demonstrating consistency across both technical and business disciplines.

- Participated in a **study abroad program in Prato, Italy**, focusing on European economy and global business — highlighting cultural adaptability and international exposure.

Key Technical Projects

Michael's GitHub activity demonstrates a growing focus on **practical data science and automation**:

1. **Agentic Chatbot for Event Catering (2025)** – Built an **automated chatbot** integrating APIs for scheduling, reporting, and workflow automation through **n8n**, showcasing early understanding of agentic AI and process optimisation.

2. **ICU Mortality Prediction (2025)** – Developed a **decision tree model with 90% accuracy**, performing advanced data preprocessing and predictive modelling on healthcare datasets.

3. **Melbourne Real Estate Market Analysis (2024)** – Applied statistical modelling and visualisation (Vega-Lite) to identify **property price trends** and generate interactive dashboards for stakeholders.

4. **CNN Image Recognition Project (2025)** – Built and trained deep learning models using **R and Keras**, achieving **94% accuracy**, demonstrating advanced understanding of feature extraction and performance tuning.

Professional Experience

Michael's career experience blends **technical analysis, leadership, and customer-facing roles**, reflecting strong interpersonal and organisational ability:

- **Assistant Manager, Oakberry Acai (2022–Present)**

    o Managed financial analysis, inventory, and cost control — achieving a **25% reduction in expenditure**.

    o Oversaw staff training and compliance, integrating data reporting tools to improve business decisions.

- **Administrative Assistant, SDI (2020–2021)**

    o Managed secure documentation and optimised reporting workflows.

- **Front of House Waiter, Thirty-Eight Chairs (2022–2023)**

    o Excelled in high-pressure service environments, demonstrating adaptability, precision, and customer engagement.

- **Soccer Coach, Xavier College (2022)**

    o Planned and executed tailored training programs, fostering teamwork and leadership development.

- **Front of House, Veneto Club (2019–2022)**

    o Maintained customer satisfaction through efficient problem-solving and service management.

Skillset Overview

Technical:

- Programming: Python, R, SQL, Java, TensorFlow/Keras

- Data Science: Machine learning, feature engineering, visualisation, data wrangling

- Tools: Tableau, Vega-Lite, GitHub, GitLab, Microsoft Excel

- Methodologies: Agile, statistical modelling, automation workflows

Soft Skills:

- Leadership and team management

- Analytical and quantitative reasoning

- Process optimisation and cost efficiency

- Cross-functional communication

Interests & Persona

Michael presents as **ambitious, analytical, and globally minded**. Outside academics and work, he's a **soccer player**, indicating teamwork, discipline, and endurance. His **interest in Italian language and culture** suggests curiosity, self-improvement, and openness to multicultural perspectives.

Overall Assessment

Michael is a **driven and well-rounded professional-in-training**, positioned at the intersection of **data analytics, automation, and business strategy**. His track record shows **leadership maturity, technical acumen, and a practical, outcome-oriented mindset**. He's developing into a **data-driven problem solver** capable of integrating business objectives with intelligent systems — an ideal profile for roles in **data science, AI operations, or business analytics**.