**Jade Magbanua**

**Data Analyst | Bachelor’s in digital technology**

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## **Professional Summary**

Data-driven Digital Technology student with expertise in statistical analysis, machine learning, and data visualization. Proven experience in AI model training, database design, and full-stack development. Strong analytical mindset combined with practical experience in customer-facing roles, demonstrating the ability to translate complex data insights into actionable business solutions.

## **Technical Experience**

**Prompt Engineer – Outlier AI (Freelance)** | Jun 2024 – Present - Developed and optimized AI training prompts for programming applications, improving model accuracy through response pattern analysis. - Applied data analysis techniques to evaluate AI model performance and identify improvement opportunities. - Created automated testing frameworks for prompt effectiveness using programming skills.

**Data Analytics Projects (Academic & Personal)** | 2022 – Present

**Big Data Analysis:** Processed and analyzed large datasets using Python (pandas, NumPy) and scikit-learn.

**Machine Learning:** Built predictive models using regression, classification, and clustering.

**Database Management:** Designed relational databases with optimized SQL queries.

**Visualization:** Developed interactive dashboards with Power BI, Excel, and Python visualization libraries.

**API Development:** Built RESTful APIs for data integration and automated reporting.

**Data Pipelines:** Designed Alteryx workflows for automated data processing.

## **Relevant Work Experience**

**Pharmacy Assistant – Chemist Warehouse (Part-Time)** | Dec 2024 – Present - Analyzed inventory data to optimize stock levels and purchasing patterns. - Maintained accurate database records for products and customer information.

**Retail Assistant – New World, Howick** | November 2021 – 2024 - Analyzed sales data to support inventory management decisions. - Generated POS reports for management decision-making.

**Crew Member – McDonald’s, Manukau** | Feb 2021 – Aug 2021 - Delivered high-quality customer service in a fast-paced environment.

## **Education**

**Bachelor of Digital Technology – Data Analytics** | Manukau Institute of Technology | Expected Mar 2026 - Coursework: Statistical Analysis, Database Management, Machine Learning, Data Visualization, Business Intelligence.

**Ormiston Senior College** | Dec 2020 - NZQA Level 3, strong foundation in Sciences and Statistics.

## **Technical Skills**

**Programming & Analytics:** Python (pandas, NumPy, scikit-learn), C#, Java, SQL  
**Data Tools:** Excel (Advanced), Power BI, Alteryx, SPSS  
**Databases:** MySQL, MongoDB, database design and optimization  
**Machine Learning:** Regression, classification, clustering, predictive modeling  
**Visualization:** Power BI, Tableau, Matplotlib, Seaborn, Plotly  
**Development & Integration:** RESTful APIs, ETL processes, Git/GitHub

## **Key Projects** | [GitHub Portfolio](https://github.com/jademagbanua/Portfolio)

* **Advanced Data Analysis Project:** Machine learning model with 85% accuracy predicting customer behavior.
* **Business Intelligence Dashboard:** Power BI dashboard with KPI tracking and trend analysis.
* **Database Optimization:** Normalized inventory management database, reducing query time by 40%.
* **Machine Learning Pipeline:** End-to-end ML pipeline deployed via web API for real-time predictions.

## **Leadership & Collaboration**

**Youth Leader – Pilgrim Baptist Church (Volunteer)** | 2022 – Present - Led data-driven program evaluations to measure engagement and impact. - Developed KPIs to track success and guide community initiatives.

## **Certifications & Continuous Learning**

* NCEA Level 3
* NCEA Level 2 with merit
* NCEA Level 1 with merit
* New Zealand Certificate in Food and Beverage Service (Level 3)
* Full Driver’s license
* Regular blood donor since 2024