

# Maxson Stephen Mathew

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[Linkedin](#) | [Portfolio website](#)

## SUMMARY

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Data Analyst with Master of Data Science and 3+ years of experience applying advanced analytics and business intelligence solutions to drive data-driven decision making across retail, healthcare, and technology sectors. Proven track record in developing high-quality reporting, data visualizations, and self-service analytics capabilities. Expertise in modern data architectures, operational data analysis, and collaborating with stakeholders to translate complex data insights into actionable business outcomes.

## SKILLS

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**Programming & Analytics:** Python (Advanced) | SQL (Advanced) | R | PySpark | Statistical Analysis | Exploratory Data Analysis

**Business Intelligence & Reporting:** Power BI | Data Visualization | Interactive Dashboards | KPI Development

**Data Architecture & Engineering:** Modern Data Architectures | Data Pipeline Development | Data Quality & Cleansing | ETL Processes | Microsoft Fabric | Cloud Platforms

**Data Governance & Operations:** Data Governance Standards | Metadata Management | Data Quality Assurance | Version Control (GitHub) | CI/CD Pipelines | Automated Testing

**Business Analytics:** Retail Analytics | Operational Analytics | Performance Measurement | Self-Service Analytics | Stakeholder Engagement | Requirements Analysis.

## PROFESSIONAL EXPERIENCE

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**Research Intern - HR Department**

*Feb 2024 - Oct 2024*

**John Holland Group, Melbourne**

- Collaborated with internal and external stakeholders to understand data and reporting requirements, resolving complex analytical problems across workforce operations.
- Developed and maintained high-quality quantitative analysis and reporting using Power BI and Python, supporting executive decision-making processes.
- Contributed to self-service analytics capability by creating automated reporting solutions, enabling business users to access trusted data independently
- Identified opportunities to increase data quality through comprehensive data deep-dives, improving retention strategies by 91%
- Participated in continuous improvement activities related to data visualization and reporting principles

**Associate System Engineer**

*Aug 2021 – Dec 2022*

**Tata Consultancy Services, Bengaluru, India**

- Performed advanced data analysis using SQL across multiple operational data sources to support performance measurement initiatives
- Developed high-quality reporting solutions for senior management, improving operational efficiency by 95% through data-driven insights
- Worked with stakeholders to understand reporting requirements, identifying opportunities for process improvement and optimization
- Applied testing methodologies to ensure accuracy of analytical solutions and system performance analysis
- Managed multiple competing priorities while delivering quality analysis and maintaining stakeholder relationships

## EDUCATION

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**Master of Data Science**

*Feb 2023 - July 2025*

*The University of Melbourne, Parkville, Melbourne*

**Relevant Coursework:** Statistical Machine Learning, Database Management, Cloud Computing, Spatial Data Analytics

- Led analytics projects generating actionable insights through comprehensive stakeholder collaboration
- Developed expertise in modern data architectures and business intelligence platforms

## PROJECTS

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### **End-to-End Data Analytics Solution - NYC Taxi Operations Analytics**

Aug 2025 - Sept 2025

*Personal Portfolio Project | Modern Data Architecture & Self-Service Analytics*

- Built scalable data pipeline using modern data architecture (Microsoft Fabric Lakehouse), implementing data quality practices and automated testing
- Developed comprehensive business intelligence solution with semantic layers enabling self-service analytics for operational reporting
- Created interactive Power BI dashboards with KPI cards and trend analysis, providing actionable insights for business decision-making
- Applied data governance principles with version control (GitHub) and comprehensive documentation
- Demonstrated CI/CD pipeline implementation for automated deployment of analytical solutions

### **Vulnerable Drivers in Victoria – Tableau Dashboard**

July 2024 - Nov 2024

*Academic Individual Project | University of Melbourne*

- **Designed interactive Tableau dashboard** analyzing transport safety data for vulnerable road users across Victoria, supporting public safety decision-making
- **Analyzed operational performance trends** segmented by severity, demographics, and temporal patterns across multiple user categories
- **Integrated spatial visualization** with interactive filters, enabling stakeholders to uncover insights for targeted safety initiatives

### **Classifying AMI and Troponin Level – Machine Learning with MIMIC-IV**

Jul 2024 – Nov 2024

*Academic Group Project | University of Melbourne*

- **Developed ETL pipeline** in Python to extract, clean, and ensure accuracy of clinical operational data for predictive modeling
- **Built classification models** (Random Forest, KNN) achieving optimal performance while addressing data quality challenges
- **Performed statistical analysis** and hypothesis testing to identify key performance indicators and predictive factors

## PROFESSIONAL CERTIFICATIONS

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- Databricks Fundamentals Accreditation.
- Deloitte Australia - Data Analytics Job Simulation through Forage.
- AIG - Actuarial Analyst Job Simulation through Forage.
- Machine Learning, Data Science and Deep Learning with Python: Udemy.