

Jay Sangani

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Professional Summary

Business Analytics Graduate from Monash University with hands-on experience in data science and analytics projects within Australia state government and logistics sectors. Skilled in SQL, Python, R, and Power BI, with a strong foundation in predictive modelling, data visualisation, and stakeholder communication. Proven ability to generate actionable insights that support data-driven decision-making and operational efficiency.

Education

Monash University

Master of Business Analytics

Melbourne, Australia

February 2023 - December 2024

Selected Coursework: Applied Business Analytics, Machine Learning, Data Management and Programming for Analytics, Business Strategy and Decision Making.

G H Raisonni University

Bachelor of Business Administration

Nagpur, India

August 2018 - June 2021

CGPA: 8.08/10 (1st Division Honors).

Experience

Department of Government Services

Melbourne, Australia

Data Science Intern

August 2024 – January 2024

- Partnered with Fines Victoria through the DAaS (Data as a Service) team to tackle a \$150M shortfall by applying machine learning and data analysis to improve debtor management and predict defaults.
- Developed predictive models that resulted in a 15% improvement in default detection, helping Fines Victoria reduce financial losses.
- Contributed to optimising resource allocation, reducing unnecessary costs, and enhancing fine recovery, supporting state revenue goals.
- Supported public sector strategies through cross-functional data-driven solutions.

Lorry Arrangers

Nagpur, India

Logistics Analyst & Accountant

November 2021 - November 2022

- Analysed data, coordinated with carriers, and reported shipment costs.
- Inspected shipments, managed orders, and tracked inventory.
- Processed payments and billed transportation efficiently.
- Compiled & maintained inventory tracking records and business reports.

Projects & Achievements

Fine Default Prediction Model – Department of Government Services:

Built a machine learning model in Python to predict fine defaults, improving detection by 15%. Created Power BI dashboards for stakeholder reporting.

Water Availability Forecasting – Monash University:

Forecasted regional water availability using large-scale environmental datasets and statistical models in Python.

Head of Event Management – G.H. Raisonni University:

Led a student committee to plan and execute large-scale university events. Managed a ₹6,60,000 budget with 18% cost savings, boosting student engagement through onboarding programs and sports tournaments.

Skills & Interests

Language: R, Python (Pandas, NumPy, Scikit-learn), SQL, SAS.

Software & Tools: Power BI, Tableau, Microsoft Excel, Git, Azure, Jira, Slack.

Professional: Analytical Thinking, Data Visualisation, Communication Skills, Problem-Solving, Teamwork, Time Management, Attention to Detail, Leadership, Customer Service, Event Management.

Interests: Photography, Swimming, Pickleball, Cricket, Travelling, Cooking.