

# Praveen Muthu Elango

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A result-driven and self-motivated data professional, proficient in managing the entire data science project life cycle. Highly competent in statistical analysis, modelling and data visualisation. Adept at transforming data into insights and presenting comprehensive reports.

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## Education

### Master of Science, Applied Data Science

February 2020

University of Canterbury, Christchurch, New Zealand

### Bachelor of Technology, Electronics and Communication Engineering

May 2016

Amrita Vishwa Vidyapeetham University, Coimbatore, India

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## Work Experience

### Senior Data Analyst

June 2022 - Present

*Equifax, Auckland, New Zealand*

- As a senior analyst at Equifax, I was responsible for analysing large datasets related to credit information, customer behaviour, and market trends. Leveraged my advanced analytical skills to derive insights from complex data and interpret them in the context of business strategies and objectives.
- Developed comprehensive reports and presentations to communicate findings and recommendations to internal stakeholders and clients. These reports often included key performance indicators (KPIs), trends, and actionable insights that supported decision-making processes within the company and our clients.
- Collaborated with cross-functional teams to understand business requirements and built data pipelines to assemble large, complex datasets as per the company's needs.
- Acting as a leader within the team, providing guidance, resources, and serving as a point of reference for other team members. Sharing expertise and best practices to facilitate continuous improvement and growth within the team.
- Created analytical tools and dashboards using SQL and Power BI that utilises the data pipelines to provide actionable insights for stakeholders in real time. These tools enabled data-driven decision-making within the organisation.

### Analyst

April 2021 - June 2022

*Ministry of Justice, Wellington, New Zealand*

- Responsible for gathering, preparing and publishing Tier 1 statistics bi-annually on the Ministry of Justice's website using SQL and SAS.
- Skilled at writing summary reports and producing infographics that condenses complex analysis into simple easy digestible form of information ready to be forwarded to ministers office and media releases.
- Transformed MS Excel reports into automated Power BI dashboards by developing new data pipelines which inturn improved our team's performance by reducing manual work.
- Deployed a machine learning model to project prison population for the next 10 years by constantly monitoring the remand and sentenced population changes every month using R.

**Data Scientist****October 2020 - April 2021****Komodo Wellbeing, Christchurch, New Zealand**

- Performed data extraction, wrangling and statistical analysis of raw data using SQL and Python.
- Created reports and dashboards for clients to monitor the well-being of their students using Power BI.
- Delivered a predictive model using time series forecasting to identify the students in distress which serves as an early warning system for the schools to check in on their students.
- Developed a machine learning model to classify text data based on sentiments & emotions expressed in the survey responses.

**Data Scientist****November 2019 - October 2020****Riposte Analytics Ltd, Gisborne, New Zealand**

- Managed planning, development and delivery of weekly and monthly insights reports for all the clients using Tableau and Google data studio.
- Automated customer insights dashboards in R-Shiny by developing a custom ETL pipeline for executive leadership.
- Designed and implemented internal process improvements by automating manual processes and optimising data delivery using SQL and AWS tools.

**Software Engineer****August 2016 - October 2018****KPIT Technologies Ltd, Bengaluru, India**

- Formulate Unit and Software In Loop (SIL) test plans for testing the required test cases
- Planning and prioritisation of test modules in addition to analysing, debugging and testing use cases
- Training and continuous mentoring of new developers in the team

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**Skills**

Programming Languages: R, SAS, Python, SQL

Database: AWS, Google Cloud Platform

Visualisation: Tableau, Google Data Studio, Power BI

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**Projects****Hack the Crisis, New Zealand - Runners up**

The team built tools for measuring and improving well-being. Ninety participants signed up in 24 hours. They were asked to listen to a mindfulness experience and then to record how they were doing in the Riposte app using hashtags to help monitor the data. Video Pitch: <https://youtu.be/ZHyRZ7JbZkA>

**GovHack 2020 - Local Impact Award - Auckland Region**

Our team created MyMSDchat, an AI-powered chatbot that helps the Ministry of Social Development with the increased demand for their services in light of the COVID-19 situation. The app's primary features include asking key fielding questions to the users and providing the appropriate responses and information, while constantly gathering all data for caseworkers. Video Pitch: <https://youtu.be/gUHin3yOjOg>

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## Certifications

- Complete & Practical SAS, Statistics & Data Analysis Course, 2020, **Udemy**
  - Certificate of Successful Completion of SQL for Data Science, 2020, **Coursera**
  - Power BI A-Z: Hands-On Power BI Training For Data Science, 2019, **Udemy**
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## Community Service

*Volunteer, **Tāiki E! Tairāwhiti's Impact House**, Gisborne, New Zealand, 2019 - 2020*

This project was born from the saying "Less Hui, More Doey!", kick-starting the concept of Fridays as a day to put aside as much time as you can to take positive action for people and the planet. I volunteered for various projects ranging from building community vegetable stands to conduct workshops on how to leverage the power of data to improve business performance.

*Student Volunteer, **Student Volunteer Army**, Christchurch, New Zealand, 2019 - 2020*

This volunteer position focused on facilitating community action through youth engagement and preparing for disasters and services. One hundred of us volunteers camped at Kaikoura and participated in a variety of volunteering work, helping around the community where we can to have a meaningful impact on the people of Kaikoura.

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## References

Available upon request.