

SUMMARY

- Experienced Big Data Analyst with MSc in Data Science and 5+ years using Python and SQL to analyze large-scale sets of structured and unstructured data.
- Proficient at building end-to-end tools for automated data analysis and data science applications.
- Excels in communicating complex analytical insights to non-technical audiences through presentations and interactive dashboards.

TECHNICAL SKILLS

- **Languages:** Python (Pandas | Numpy | scikit-learn), SQL | HiveQL
- **Data Visualization:** Tableau, Matplotlib, Seaborn
- **Statistical Methods:** A/B testing, regression modelling, time series analysis
- **Machine Learning:** natural language processing, classification, clustering

PROFESSIONAL EXPERIENCE

Big Data Analyst – Rakuten Kobo (Toronto, Canada)

May 2020 – present

Kobo is a global e-commerce company selling e-books, audiobooks, subscription services, and e-readers. It is a subsidiary of multinational conglomerate Rakuten Group, Inc.

- Responsible for building end-to-end automated data pipelines for customer conversion funnels on multiple Kobo platforms (website, Android, e-reader) using Python, SQL, HiveQL, and Tableau.
- Responsible for implementing A/B tests that gauge user experience and engagement on new product features to provide data-driven insights on customer satisfaction.

Lead Data Analyst – EvaSys UK (London / Edinburgh, United Kingdom)

Oct 2017 – Oct 2019

EvaSys provides online survey software and data analytics to the higher education sector in the UK, mainland Europe, and North America (with headquarters in Lüneburg, Germany).

- Developed predictive text classification tool using Python (Pandas, scikit-learn) that categorized survey feedback comments by thematic area and sentiment based on machine learning models.
- Reduced duration of various manual data analytics tasks that took an average of 2 weeks to less than 1 minute by automating entire process in Python, helping company save over 1,200 work hours annually among staff.

Technical Lead (Statistical) – International Labour Organization (Colombo, Sri Lanka)

July 2014 – June 2016

The ILO is the United Nations agency specializing in labour-related issues and operating across the world.

- Developed statistical methods used in designing survey questionnaire for Child Activity Survey 2016, featuring data set of 25,000 households across Sri Lanka and conducted by Department of Census and Statistics.
- Developed in-house documentation on ILO statistical metadata collected through large-scale surveys in Sri Lanka.

Statistical Research Officer – Institute of Policy Studies (Colombo, Sri Lanka)**Jan 2011 – July 2014**

The IPS is a leading economic policy research institute in South Asia working closely with government, private sector, academia, and civil society.

- Lead statistical researcher for study modeling food scarcity in Sri Lanka using multivariable regression and supply and price elasticities of key agricultural commodities for the National Science Foundation.

EDUCATION**MSc Data Science****Sep 2016 – Sep 2017**

King's College London, United Kingdom

- Dissertation: Used Python and SparkSQL to develop socio-demographic profiles of Transport for London passengers using geospatial analysis and k-means clustering on a dataset of 900 million passenger journeys.
- Coursework focused on practical applications of big data analytics tools and machine learning models.

Master of Economics (Major in Econometrics)**Feb 2008 – June 2009**

University of Sydney, Australia

- Coursework focused on econometric theory and applications of multivariable regression, time-series modeling, and predictive analytics.
- Forecasted trends in GDP for Australia using monthly data from 1959 - 1995 comparing Simple Exponential Smoothing, Holt-Winters, and Box-Jenkins models.

Bachelor of Arts (Major in Economics)**Aug 2003 – June 2007**

University of Virginia, USA

PERSONAL INTERESTS

- Playing acoustic guitar
- Hiking with my dog
- Playing tennis, badminton, table tennis