

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