CONTACT

0094778071389

kiruparan@gmail.com

https://www.linkedin.com/in/kiruparan-balachandran-8aa6a032/

66 3/1 Sri Kathiresan Street,
Colombo - 13,
Sri Lanka.

EDUCATION

M.Sc. in Computer Science in Data Science, Engineering and Analytics
University of Moratuwa

B.Sc. in Information Technology (Hons)
University of Moratuwa

Programming Languages

- Python
- PySpark
- R

Libraries

- scikit-learn
- Flask
- Bokeh
- sparklyr
- R Shiny
- OpenNLP, Word2vec, NLTK, Stanford CoreNLP

Kiruparan Balachandran
Manager - Data Science

SUMMARY

Kiru is passionate about creating a **data-driven culture** to solve business problems and is equally expertise in **data science and data engineering**. Presently he is attached to **Octave – John Keells Group**, leading Retail and Banking data science teams on different use-cases.

He expanded his career as an **advisor** to companies interested in building data-driven solutions and is currently directing a few teams by offering overall guidance on ongoing projects and advice on solution design and architecture.

Kiru is also a **corporate trainer** who facilitates training to **C- level managers, business heads, and data scientists**. He has delivered both technical and non-technical training in data science and analytics delivery.

Kiru is currently involved in the following technologies/frameworks/processes: Python, Azure, Databricks, Spark, Delta Engine, MLflow, MLOps, and MLlib

PROFESSIONAL EXPERIENCE

OCTAVE - JOHN KEELLS GROUP
Manager - Data Science
2022 July - Present

- He serves as a member of the management committee. In this role, he creates and executes strategic plans related to people, technology, and presence. He also tailors existing processes to create a better environment for delivering high-quality work.
- Kiru anchors 15+ use-cases across two different domains, namely retail and banking.
- He leads a team of 25+ data scientists, including lead data scientists, senior data scientists, data scientists, and associate data scientists.
- He mentors analytics resources from different practices such as data engineering, platform engineering, and delivery.

OCTAVE - JOHN KEELLS GROUP
Assistant Manager - Senior Data Scientist
2019 Dec - 2022 July

- Delivers proven dollar impact use-cases with the direction from **McKinsey and Company**
- **Leads** multiple data science teams / analytics use-cases simultaneously in retail domains
- **Directs teams** on the following: Problem scoping, Solution designs, Architecture designs, Optimize use-case pipelines, Migrates machine learning models into production, and Commercialize business problems
- In addition to his day-to-day works with data science teams, Kiru works with **platform teams** to implement a tailored **MLOps** process within organizations
- Facilitates training to C- level managers, business heads, and data scientists
- **Mentor** data scientists and associate data scientists

FRAMEWORKS

- Apache Spark
- Apache Kafka
- RASA

DATA STORAGE FORMATS

- Apache Parquet
- Delta

PLATFORMS

- Azure
- Databricks
- Anaconda
- Spyder
- Protégé
- RStudio

AWARDS

- PEP AWARDS Q2-2014 IN RECOGNITION OF ENGINEERING EXCELLENCE – VIRTUSA

CERTIFICATIONS

- McKinsey Management Program, McKinsey & Company (2021)
- Microsoft Certified: Azure Fundamentals, Microsoft (2021)
- Statistical Learning, Stanford University (2015)
- Introduction to R, DataCamp (2017)
- Introduction to Spark in R using sparklyr, DataCamp (2017)
- Deep Learning in Python, DataCamp (2017)

INNOVATION QUOTIENT PVT LTD
Head of Data Science
2019 Apr - 2019 Dec

Initiated Data Science Division at Innovation Quotient and brought up the team with 9 members. Successfully managed the division to develop and deploy data processing platforms, data analytics platforms, and predictive models for different industries such as Telco, Logistics, Leisure, and Finance.

INNOVATION QUOTIENT PVT LTD
Data Scientist
2018 Jan - 2019 Dec

SALMAT
Senior Software Engineer
2017 Jan - 2017 Dec

SALMAT
Software Engineer
2014 Aug - 2017 Jan

VIRTUSA PVT LTD
Engineer-Technology
2012 Aug - 2014 Aug

INVITED TALK / GUEST LECTURE

- Guest lecture for the M.Sc students of the University of Moratuwa on Apache Spark.
- Usage of word sense disambiguation in concept identification in ontology construction. Department of Computer Science and Engineering, University of Moratuwa, Sri Lanka (Nov, 2016)
- Introductory session on data science at a Webinar organized by NIBM Business Analytics Centre, Sri Lanka (Nov, 2020)

RESEARCH PUBLICATIONS

- Kiruparan, B., Ranathunga, S., Domain-Specific Term Extraction for Concept Identification in Ontology Construction. 2016 IEEE/WIC/ACM International Conference on Web Intelligence, at Omaha, Nebraska, USA (October 2016)

ARTICLES on Medium

- Delta Lake — enables effective caching mechanism and query optimization in addition to ACID properties
- Connecting the Dots (Python, Spark, and Kafka)
- QuickStart - Apache Kafka + Kafka-Python
- Handling Imbalanced data using re-sampling
- Hyperparameter Optimization for Machine Learning algorithms

REFERENCES

References Available Upon Request