

# BHAGYA DISSANAYAKE

## DATA SCIENCE AND BUSINESS ANALYTICS

### CONTACT



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[LinkedIn](#)



[Github](#)

### SKILLS

- Machine Learning
- AI Domain Expertise
- Python & R (Programming Languages)
- Data Analytics & Visualization (Tableau and Power BI)
- SQL
- Efficiency
- Adaptability

### EDUCATION

#### University of London - LSE

BSc Data Science and Business Analytics  
(2022 Oct - 2025 May)

#### Edexcel International Advanced Level

Mathematics - A  
Further Mathematics - B  
Physics - C

#### Royal College, Colombo

#### S. Thomas' College, Mount Lavinia

GCE Ordinary Level - 8As 1B

### REFERENCES

#### Kaushala Lankadhikara

Director - V S Information Systems (Pvt) Ltd  
kaushala@vsis.lk  
+94 77 770 3409

#### Nevanka de Silva Jayatilleke

Research Manager - Parliamentary Research Team  
Verité Research  
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### PROFILE

I have recently completed my Bachelor's degree in Data Science and Business Analytics at The London School of Economics and Political Science - University of London, while gaining professional experience in the AI/ML space at V S Information Systems (Pvt) Ltd. In addition to my academic endeavors, I have actively pursued my passion for cricket by competing at the premier level in Sri Lanka's domestic circuit. This unique combination of skills has equipped me with a diverse perspective on teamwork, strategy, performance, and leadership.

### WORK EXPERIENCE

#### V S Information Systems (Pvt) Ltd

##### Associate Systems Engineer - AI/ML

Period : Feb 2025 - Present

##### Intern - AI/ML Research

Period : Aug 2024 - Feb 2025 (6 months)

- Explored AI/ML technologies and identified mature market segments for potential AI use cases, and established strategic partnerships for VSIS.
- Created a revenue forecasting model using machine learning (Time Series Forecasting - Prophet).
- Developed a customer service chatbot model using Natural Language Processing and a Large Language Model (LLM).
- Analyzed financial and customer support datasets for insights and trends, using Power BI and Python Data Analytics.

**Additional Project:** Successfully developed and executed the end-to-end deployment of a Learning Management System (LMS), improving knowledge management and enabling scalable employee onboarding and continuous learning.

### CERTIFICATIONS

- Microsoft Certified: Azure Data Scientist Associate (DP-100)**
- Machine Learning Specialization**  
*DeepLearning.AI and Stanford University*
- Generative AI with Large Language Models**  
*DeepLearning.AI and Amazon Web Services(AWS)*
- AI Developer Professional Certificate** - IBM
- Generative AI for Data Scientists Specialization** - IBM
- AI for Good Specialization** - Deep Learning.AI

Topics covered:

- AI and Public Health
- AI and Climate Change
- AI and Disaster Management

**Note:** Click on the certification name to access and verify the credentials.

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## PROJECTS

- **Machine Learning Project (Python) (2025)**

A machine learning project analyzing three real-world datasets from UCI. Applied Unsupervised learning (clustering, PCA) and Supervised Learning (regression, classification) algorithms. Formulated research questions, created predictive models, compared model performance, and contextualized findings with literature, using Python.

- **Market Research Proposal - Marriot International (2025)**

Developed a market research proposal for Marriott International to enhance customer experience and loyalty. Focused on consumer preferences, Marriott Bonvoy effectiveness, and sustainability impacts. Proposed descriptive research with surveys, sampling techniques, and multivariate analysis (regression, clustering). Included a questionnaire and suggested further trend analysis.

- **Flight Analysis (Python and R) (2024)**

A critical analysis of flight data of all commercial flights on major carriers within the USA. The optimal times and days to minimize delays for each year, as well as the impact of aircraft age on delays on a year-to-year basis were examined. A logistic regression model to predict flight diversions was also developed.

- **Retail Superstore - Data Analysis and Visualizations (2024)**

The report covers a critical analysis of an online retailing firm that ships a broadened selection of goods to a wide range of consumers internationally, providing recommendations and insights.

- **The Impact of Big Data Analytics on Cricket (2024)**

A research essay exploring the impact of big data analytics on cricket. The complications and complexities that emerge when integrating big data analytics into the world of cricket are addressed using the International Cricket Council (ICC), as a real-life example.

**Access project reports and files [here](#).**

**Note:** The latest (2025) projects will not be published until August, but can be presented in a physical setting.

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## EXTRA - CURRICULAR

### **Professional Cricketer (2019 - Present)**

Clubs Represented

- Sri Lanka Navy
- Burgher Recreation Club

[ESPN Cricinfo Player Profile - Bhagya Dissanayake](#)

### **Royal College, Colombo**

- 2018/2019 1st XI Cricket Colors
- 2017/2018 1st XI Cricket Colors
- U19 All Island Champs - 2019 (Cricket)

### **S. Thomas' College, Mount Lavinia**

- 2016/2017 Cricket Colors
  - U15 All Island Champs - 2015 (Cricket)
  - Wildlife Society of S.Thomas' College, Mt. Lavinia
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