

# BHAGYA DISSANAYAKE

## BSC DATA SCIENCE AND BUSINESS ANALYTICS



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LinkedIn



GitHub

### PROFILE

I have completed my Bachelor's degree in Data Science and Business Analytics at The London School of Economics and Political Science - University of London with First Class Honours, 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.

### SKILLS

Machine Learning

AI Domain Expertise

Python & R (Programming Languages)

MLOps (MLflow, Git)

SQL & Spreadsheets (Excel, Google Sheets)

Data Analytics & Visualization (Tableau & Power BI)

Deep Learning Frameworks (Pytorch & Tensorflow)

Communication and Presentation Skills

### PROFESSIONAL EXPERIENCE

#### V S INFORMATION SYSTEMS (PVT) LTD

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

Period : Feb 2025 - Present

##### AI/ML Research Intern

Period : Aug 2024 - Feb 2025

- Explored AI/ML technologies and established partnerships for VSIS.
- Explored mature market segments for AI use cases.
- Created a customer service chatbot model using Natural Language Processing (NLP) and a Large Language Model (LLM).
- Analyzed financial and customer support data for insights and trends, using Python Data Analysis, Power BI, and Machine Learning.
- Created a revenue prediction model using machine learning. (Time-Series Forecasting - Prophet)

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.

### EDUCATION

#### University of London - LSE

BSc Data Science and Business Analytics - First Class Honours

#### Royal College, Colombo

GCE Advanced Level

#### Edexcel International Advanced Level

Mathematics - A | Further Mathematics - B | Physics - C

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

GCE Ordinary Level - 8As 1B

### CERTIFICATIONS

Microsoft Certified: Azure Data Scientist Associate

Machine Learning Specialization - DeepLearning.AI and Stanford University

IBM - AI Developer Professional Certificate

Generative AI with Large Language Models - DeepLearning.AI and AWS

IBM - Generative AI for Data Scientists Specialization

AI for Good Specialization- Deep Learning.AI

**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 - Marriott 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 an expansive 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](#).

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## REFERENCES

### **Kaushala Lankadhikara**

Director - V S Information Systems (Pvt) Ltd

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### **Nevanka de Silva Jayatilleke**

Research Manager - Parliamentary Research Team

Verité Research

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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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