# WUWANI PERERA

## DATA SCIENCE GRADUATE | ASPIRING BUSINESS ANALYTICS PROFESSIONAL

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## PROFESSIONAL SUMMARY

Data Science graduate with proven expertise in data analytics, ERP systems, and business intelligence, backed by practical industry experience. Proficient in deploying statistical modeling, data mining, and machine learning techniques to derive actionable insights, optimize business operations, and support strategic decision-making. Currently working as a Junior Data & ERP System Analyst with demonstrated ability to connect technical expertise and business objectives. Eager to pursue a Master of Business Analytics to deepen analytical capabilities and contribute to data-driven business transformation.

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## WORK EXPERIENCE

### Junior Data and ERP System Analyst | JUL 2025 – Present

Link Natural Products (Pvt) Ltd

- Maintain and optimize ERP system modules to support business operations.
- Evaluate business and operational data to extract actionable insights.
- Develop and maintain dashboards/reports to assist management decision-making.
- Collaborate with cross-functional teams to streamline processes and enhance efficiency.

### Data Analyst | JAN 2025 – JUN 2025

Colour Max Lanka (Pvt) Ltd

- Visualized complex datasets in a simplified manner to communicate insights to non-technical stakeholders.
- Provided monthly performance insights to senior management, influencing key strategic decisions.
- Conducted statistical and trend analysis of operational and sales data.
- Automated reports and dashboards to track KPIs and performance.

### Intern – Product and Service Innovation | MAR 2023 – SEP 2023

Dialog Axiata PLC

- Developed real-time dashboards using Grafana and Power BI and conducted comprehensive data cleansing and preprocessing to ensure accuracy and consistency across diverse datasets.
- Supported research and innovation activities by analyzing consumer and market data.
- Contributed to the development of the Govimithuru chatbot application for Sri Lanka's agricultural sector.
- Collaborated on AWS deployment and machine learning model training to enhance conversational capabilities.

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## EDUCATION

### Bachelor of Science Honours in Information Technology | 2021 - 2024

Sri Lanka Institute of Information Technology (SLIIT)

- Specialization – Data Science
- GPA – 3.00 / 4.00
- Total Credits – 144.00

### G.C.E. Advanced Level Examination (Physical Science Stream) | 2020

Vishaka Girls' School

- Combined Mathematics - C
- Information Technology - C
- Physics - S

### G.C.E. Ordinary Level Examination | 2017

Vishaka Girls' School

- 8 A's and 1 B

## PROJECTS

### Final Year Research – Dynamic Queue Management System for Multi-Cashier Supermarkets

- Developed an IoT and CCTV-based queue monitoring system with real-time item counting.
- Applied machine learning algorithms to optimize customer distribution in high-traffic supermarkets.
- Tech Stack: IoT, Python, TensorFlow, GitHub, AWS

### Data Warehouse and Business Intelligence Project

- Designed and implemented a Power BI dashboard to provide actionable business intelligence for management decision-making.
- Developed data models and interactive visualizations to track key performance indicators and business trends.
- Tech Stack: Power BI

### Internet of Things (IoT) – Smart Home System

- Built a temperature and humidity monitoring system with predictive analytics.
- Designed a real-time dashboard using Node-RED and applied ARIMA forecasting.
- Tech Stack: Arduino, Node-RED, Python, Machine Learning

### Real-time Grafana Dashboard for Fuel Data Analysis

- Created a real-time Grafana dashboard to monitor fuel sensor data across multiple sites.
- Integrated MySQL databases with Grafana for dynamic visualization and performance tracking.
- Tech Stack: Grafana, MySQL

### Personalized Movie Recommendation Engine

- Implemented content-based and collaborative filtering for personalized recommendations.
- Built an interactive interface with Streamlit for enhanced user experience.
- Tech Stack: Jupyter Notebook, Streamlit, Machine Learning

### Mobile Phone Shop Management System

- Developed a web-based system to automate mobile phone shop operations, improving productivity, efficiency, and accuracy.
- Implemented features for inventory, sales, billing, and customer management, minimizing manual effort and errors.
- Tech Stack: MERN stack, MongoDB, Postman, GitHub, Figma

### Mobile Application Development

- Built a mobile application featuring a personal diary, a goal manager, a mood tracker, and a health tracker.
- Integrated tools such as a BMI calculator and exercise time tracker to support health and wellness management.
- Tech Stack: Flutter, Firebase, GitHub

### Sales Data Analysis Dashboard

- Designed and developed an interactive dashboard to analyze sales performance, trends, and key metrics.
- Enabled data-driven decision-making by delivering clear, actionable insights through visual analytics.
- Tech Stack: Power BI

## PUBLICATIONS

*"Dynamic Queue Management System for Multi-Cashier Supermarkets Using IoT and Real-Time Monitoring"*
International Conference on Advancement in Computing (ICAC), 2024

## TECHNICAL SKILLS

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|---|---|
| • Data Analysis | • Data Visualization |
| • Power BI / Grafana / Excel | • MySQL / SQL Server |
| • Tableau | • ERP System |
| • Business Intelligence | • ETL & Data Warehousing |
| • Programming (R, Python, SQL) | • IoT |
| • Cloud Platforms | • Machine Learning |

## EXTRA-CURRICULAR ACTIVITIES

**Committee Member,** Data Science Student Community, SLIIT (2024 – 2025)

**Batch Representative,** Faculty of Computing, SLIIT (2021)

**Prefect Board,** Vishaka Girls' School

- Deputy Head Prefect and Sports Captain (2018 - 2019)
- Senior Prefect (2016 - 2017)
- Junior Prefect (2014 - 2015)

**National-Level Gymnastics Player, Sri Lanka**

- Participant, 16th World Gymnaestrada, Austria – 2019
- Competitor, All-Island Aerobic Gymnastics Championships

## LANGUAGES

- Sinhala - Native
- English - Fluent

## REFEREES

Contact details available on request.