

# Nisansala Ruwan Pathirana

IT & Management Undergraduate

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[GitHub](#)



## PROFILE

An ambitious and dedicated final year undergraduate in the Faculty of Science at the University of Colombo, specializing in Information Technology and Management. Skilled in multiple programming languages, machine learning techniques, and statistical analysis, with a strong aptitude for data analytics and data visualization. Proficient in tools such as Excel, Power BI, and SPSS, with strong problem-solving, critical thinking, and communication skills. Passionate about applying analytical and technical expertise to solve business challenges, support data-driven decision making, and contribute effectively to projects.

## EDUCATION

**University of Colombo** | B.Sc. (Hons) in Information Technology & Management | **CGPA - 3.36 / 4.0**

**Dhammapala National Girls' School, Beliatta**, Sri Lanka | G.C.E Advanced Level Examination – 2020

Combined Mathematics: B, Chemistry: A, Physics: C

## EXPERIENCE

**Data Analyst Intern** (Remote) | *Codeveda Technologies* | 1 Month | Worked with data using **Python** and **Power BI**

## CERTIFICATIONS & COURSES

- Foundation of **Project Management** – Department of Civil Engineering, Faculty of Engineering, University of Moratuwa (CODL/Issued June 2025)
- Python** for Beginners – University of Moratuwa (CODL/Issued June 2025)
- Master Microsoft Power BI** – Alison (Issued June 2025)
- Data Analytics Using Microsoft Power BI** | Online Course | Alison (June 2025)
- R Basics edX** – edX Verified Certificate for Data Science (Issued Dec 2024)
- Data Analytics Basics for Everyone** – edX Verified Certificate (Issued May 2024)
- Data Analytics Essentials** – edX (Issued May 2024)
- Diploma in Information Technology, IMBS Private Campus (2021)

## PROJECTS

**Individual Research** (Level 04/ Ongoing) AI-Powered Predictive Blockchain Architecture for Proactive and Locally Adaptive Pharmaceutical Supply Chain Management in Sri Lanka

**Power BI - Telecom Customer Churn Insights Dashboard** | Nov 2025 – [Link6](#)

**Sentiment Analysis Using NLP** – Machine Learning Project (Python, Pandas, nltk, textblob, matplotlib, wordcloud) | Nov 2025 – [Link5](#)

**Stock Price Data Analysis** – Machine Learning Project (Python, Pandas, Scikit-learn, Statsmodels, Matplotlib, Seaborn, VS Code) | Oct 2025 – [Link4](#)

**Iris Dataset Analysis** - Demonstrating data analysis and machine learning techniques (Python, Pandas, Seaborn, matplotlib, VS Code) | Oct 2025 – [Link3](#)

**Retail Sales Analysis with SQL Server & Power BI** - Built an interactive **Power BI dashboard** for visual insights | Aug 2025 – [Link2](#)

**Logistics Shipment Delay Prediction** | Machine Learning (Python, Kaggle, Google Colab) | Aug 2025 – [Link1](#)

## TECHNICAL SKILLS

**Programming & Scripting:** Python (Pandas, NumPy, Matplotlib, Scikit-learn), R, Java, JavaScript

**Web Technologies:** HTML, CSS, Internet Technologies, XML

**Databases:** MySQL, NoSQL, MongoDB, Database Design & Querying

**Data Analysis & Visualization:** Microsoft Excel (advanced), Power BI, Tableau (basic), Google Colab, SPSS, Minitab, Octave, Data Cleaning, Data Wrangling, Statistical Modeling, Statistical Inference, Data Visualization

**Software & Tools:** Microsoft Office, Figma, Canva

**Concepts & Methodologies:** Object Oriented Programming (OOP), Agile & Scrum, SDLC, ETL Processes, Data Warehousing Principles

## **SOFT SKILLS**

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Team Collaboration | Problem-solving | Adaptability | Time management | Effective Communication | Critical Thinking  
| General Management | HR Management

## **INTERESTS**

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Areas of Interest: Business Analysis, Data Analysis, Data Science, Machine Learning, AI, Predictive analytics, Web Development, General Management, Project Management

## **EXTRA-CURRICULAR ACTIVITIES**

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A member of Euphony, Faculty of Science | University of Colombo

A member of Organizing Committee ICCMM 2025 | University of Colombo

A member of Environmental Club | H/Dhammapala National Girls' School, Beliatta

## **LANGUAGES**

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Sinhala-Native

English-Proficient

## **REFERENCES**

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Dr. Prabhath Liyanage | Senior Lecturer - University of Colombo

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