Ravindu Wellalage

Data Scientist / ML Engineering

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As a Data science student I am a highly passionate individual who thrives upon seeking new challenges through my career in information and communication technology. As an undergraduate student I am highly motivated person who is willing to work with the experts in the industry. I have a solid knowledge about general programming fundamentals in python and java. I ruled several group projects in my degree program and it all got succeed with my incredible leadership skills.

ACADEMIC QUALIFICATIONS

B.Sc. (Hons) in Artificial intelligence and Data science at IIT Affiliated with Robert Gorden University Scotland.
Informatics Institute of Technology

JAN 2023 to JAN 2026

Foundation in Higher Education in Informatics Institute of Technology
- With a grade of - Distinction

MAY 2022 - DEC 2022

G.C.E. Ordinary Level in Isipathana College 2021(2022)
- Passed with 8A and 1C passes.

JAN 2021 - May 2022

Academic Projects

FishFit (Fish Behavior Detection Application) ↗

This system is able to identify fish health, whether it is abnormal or normal, by their swimming patterns. In this project, object detection, object tracking, and behaviour analysis are the main components. The system will identify whether the fish are normal or abnormal.
Technologies Used: Python || JupyterNotebook || Django || MySQL || HTML || CSS || JavaScript

Income Prediction System With Naive Bayes and Random Forest ↗

This project aims to develop a machine learning-based system capable of predicting whether an individual's income exceeds $50K/yr based on census data.
Technologies Used: Python || JupyterNotebook || Naive Bayes classifier || Random Forest Classifier || ML Libraries

HCHO Distribution analysis ↗

To analyse HCHO data in Sri Lanka, comprehend the significance of HCHO monitoring for air quality and climate studies, gain understanding of probable HCHO sources and spatial/temporal trends, and create time series prediction algorithms. Use proper preproccesing methodologies and model evaluation techniques to fulfill the task.
Technologies Used: Python || JupyterNotebook || Arima Model || PowerBI Reporting

School Activity Club Management System ↗

This is a system that handles school activity clubs. This system has two user types: advisors and members. Advisors can create clubs, create meetings, and track member attendance. Members will be able to join clubs, attend meetings, and attend events.
Technologies Used: Java || JavaFX || Scene Builder || MySQL

Workshop Management System ↗

Create a database for a huge workshop that contains various departments, employee types, and processes. Play with CRUD operations according to the normalized data.
Technologies Used: MySQL (PHP MySQL server)

Modules completed in 2nd year.

- Machine Learning - TBA
- Data Engineering - TBA
- Advanced Mathematics For Data Science - B
- Object Orientated Development -B
- Artificial Intelligence - B
- Simulation and Modelling Techniques - TBA

JAN 2024 - AUG 2024

Modules completed in 1st year.

- English Communication Skills - A
- Web Technology - A
- Computer System Fundamentals - C
- Database System - B
- Programming Fundamentals Computational Mathematics - B
- Data Structures and Algorithms -B

JAN 2023 - AUG 2023

Soft Skills

- **Teamwork**
- **Leadership Skills**
- **Communication Skills**
- **Critical Thinking**

- **Time Management**
- **Problem Solving Skills**
- **Presentation Skills**

Technical Skills

- **Java**
- **Python**
- **HTML , CSS**
- **R, RStudio**

- **Javascript**
- **SQL**
- **Git**
- **Django**

Certifications

- **Python for Beginners in UOM**

  Completed Python for beginner chapter in course of fullstack in University of Moratuwa. Learnt and ganied all the basic fundemental knowledge of python language and used to solve real world problems. [Show Credentials ↗]

Extra-Curricular Activities

- Participated PyHack 2.0 organized by IEEE student branch of IIT
- Participated Mora UXplore 2.0 organized by the IEEE Student Branch of University of Moratuwa.
- Member of the Mozilla Club at IIT
- Member of the Rotaract Club at IIT
- Certificates in Swimming championships.
- Certificates in Chess championships.

Referees

Mr.Prashan Rathnayaka
Lecturer - Mathematics & Statistics
Informatics Institute of Technology
Email - p.rathnayaka@rgu.ac.uk

Mr. Sharith Pamoda
Associate Project manager at Teknowledge
Undergraduate at Informatics Institute of Technology
Mobile - 071 591 7072
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I HEREBY CERTIFY THAT THE ABOVE DETAILS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

Ravindu Wellalage