# LASHINI KAVINDYA

## PERSONAL INFO

- Age - 22 years old
- Birthday - 21/10/2002
- Nationality - Sri Lankan
- Sex - Female
- Civil Status - Single

## CONTACT


071 - 0724175

lavi21sh@gmail.com

461/B Kudabollatha, Ganemulla.

www.linkedin.com/in/lashini-kavindya-3103b327b

https://github.com/lljohuityetsraq


## EXPERIENCE

*DATA SCIENCE INTERN (VIRTUAL) CODEALPHA | [2025.01.01] – [2025.01.31]*

- Completed a one-month internship focused on data science and analytics.
- Developed and implemented two data-driven projects using Python and machine learning techniques.
- Gained hands-on experience in data preprocessing, model development, and visualization.
- Collaborated with a team to enhance analytical workflows and optimize data insights.

## CERTIFICATE COURSES

- In recognition of your attendance and completion of the Microsoft Learn Student Ambassadors Event Microsoft Azure for Data Engineering.
- In recognition of your attendance and completion of the Microsoft Learn Student Ambassadors workshop on Azure Fundamentals.

## CURRICULUM VITAE

I am a third-year Data Science Undergraduate who accepts new challenges and seizes opportunities for self-learning. always giving maximum potential to complete the task and bearing strong interpersonal and communication skills. Skilled in Python, SQL, and data visualization, eager to apply analytical skills to real-world challenges..

## EDUCATION

**General Sir John Kotelawela Defence University**

I Pursuing a Bachelor of Science (BSc) in Applied Data Science and Communication at Sir John Kotelawala Defence Univer- sity, with an expected graduation in 2026. Relevant Coursework: Machine Learning, Data Visualization, Big Data Analytics, Statistica Methods, Cloud Computing, AI Deep Learning.

**Defence Services College**

- G.C.E A/L (Art Stream)
- G.C.E O/L

## AWARDS AND ACHIEVEMENTS

**Successfully achieved Microsoft earned badges and trophy :**

1. Fundamentals of machine learning
2. Explore fundamentals of data visualization
3. Describe the capabilities of Microsoft Power BI
4. Microsoft Azure AI Fundamentals: Generative AI

## PROJECTS AND RESEARCHES

**Developed a machine learning model to analyse and optimize transportation services at KDU, focusing on demand prediction, scheduling inefficiencies, and service improvements.**

**Developed a cloud-based Attendance Management System using Microsoft Power Apps and SharePoint, featuring automated time tracking, real-time data calculations, and user-friendly interfaces.**

**Developed a web application that uses NLP techniques to summarize economic policy documents and generative AI to create customized policies based on user scenarios.**

**GREATER MANCHESTER ENERGY & CHILD POVERTY ANALYSIS**

Developed a Greater Manchester Domestic Energy Performance Dashboard to analyse energy efficiency trends, supporting sustainability initiatives. Conducted an International Study of Childhood Poverty Analysis (2002-2016) using Power BI Report Builder, generating summarized reports to assess poverty trends, policy impacts, and socioeconomic factors across selected countries.

- **In recognition of your attendance and completion of the Microsoft Learn Student Ambassadors workshop on Azure Data Fundamentals**
- **Google Analytics Certification**
- **Data Visualization with Power BI Simplified.**
- **2023 R Programming Bootcamp for Absolute Beginners.**
- **Python Data Science Fundamentals: Getting Started.**
- **Machine Learning with Python: k Means Clustering.**
- **Learning Python Generators.**
- **Cloud Storage Concepts: Services, Cost Control, and Security**
- **Master Course in CompTIA Cloud+ (101 level).**
- **Python Development Essentials.**
- **Python Development First Steps and Development IDE Platform**
- **Artificial General Intelligence (AGI).**
- **Microsoft Azure Machine Learning Fundamentals.**
- **Microsoft Power Platform Fundamentals (PL-900) Cert Prep: Power BI.**
- **Power BI Mistakes to Avoid.**
- **Power BI Quick Tips**
- **Power BI: Dashboards for Beginners**

## TECHNICAL SKILLS

**Programming Languages**

- **R**
- **Python**

**Databases**

- **SQL Server**

**Visualization Tools**

- **Power BI**
- **Excel**
- **Pycharm**

**AI powered tools Microsoft**

- **power platform**

## SOFT SKILLS

- **Team Work**
- **Leadership**
- **Verbal & Written Communication**
- **Analytical skills**
- **Presentation skills**

**OLYMPIC GAMES DATA ANALYSIS DASHBOARD**

Designed an interactive dashboard analysing Olympic data from Athens 1896 to Rio 2016, visualizing 39,783 medals, athlete participation trends, gender distribution, and country-wise medal performance. Leveraged Power BI and Microsoft Report Builder to showcase historical trends, inclusivity, and national achievements through engaging data storytelling.

***CLUSTER ANALYSIS AND CLASSIFICATION ANALYSIS PROJECT.***

Developed an interactive dashboard to analyze trending music using clustering techniques. Key features include Top 5 Artists ranking, Danceability & Energy Analysis with K-Means clustering, Tempo & Loudness Distribution histograms, and a Genre Popularity Heatmap. The project provides insights into music trends, popular genres, and key characteristics influencing song popularity.

**DIABETES ANALYSIS DASHBOARD USING R PLOTLY.**

Developed an interactive dashboard in R using Plotly to analyze diabetes datasets. Implemented Logistic andLinear Regression for predictive modeling and trend analysis. Visualized key insights through dynamic graphs,helping identify risk factors and patterns in diabetes progression

**ADVERTISING SALES PREDICTION USING MACHINE LEARNING**

Developed a machine learning model to predict sales based on advertising budgets across TV, Radio, and Newspaper channels. Implemented data exploration, feature engineering, and regression models (Linear Regression, Decision Tree, Random Forest), optimizing performance with Mean Squared Error (MSE) and $R^2$ score. This project showcases data-driven decision-making for marketing strategies.

**IRIS FLOWER CLASSIFICATION USING MACHINE LEARNING.**

Developed a machine learning model to classify Iris flower species using Logistic Regression, K-Nearest Neighbors (KNN), and Support Vector Machine (SVM). Conducted data exploration, preprocessing, and model evaluation, achieving hundred percent accuracy with Logistic Regression KNN. This project demonstrates the effectiveness of ML algorithms in classification tasks on structured datasets

**CAR SELLING PRICE PREDICTION. (MACHINE LEARNING PROJECT)**

Developed a machine learning model to predict car selling prices with high accuracy. The project involved comprehensive data preprocessing, including handling missing values, removing outliers, and encoding categorical variables. Exploratory Data Analysis (EDA) was conducted to uncover key pricing factors through statistical insights and visualizations. Various regression models were trained and evaluated, with Random Forest achieving the best performance. Model accuracy was further enhanced through Grid Search for hyperparameter tuning. Finally, visual comparisons of actual vs. predicted prices provided clear insights into model effectiveness.

## LANGUAGE

- **English**
- **Sinhala**

**ENGAGING IN WRITING RESEARCH PAPERS**

**Currently engaging with writing research paper on AI-Driven Suicide Risk Detection**

## EXTRACURRICULAR ACTIVITIES

- *Member of AI and data science club.*

## REFERENCES


**Dr. Charith Silva**

**Visiting Lecturer**

**Edge Hill University**

**charith.silva@edgehill.ac.uk**

**00447920206338**

**Ms. BCT Wickramasinghe**

**Lecturer (Probationary)**

**General Sir John Kotelawala Defence University**

**wickramasinghe.bct@kdu.ac.lk**

**0713612792**