

# Sandeepa Sineth

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in sandeepa-sineth-186213288/    🌐 Sandeepasineth

## Introduction

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Motivated and detail-oriented undergraduate in Applied Data Science and Communication, with a solid foundation in data analysis, machine learning, and programming (python, R, SQL). Through my academic coursework, I have developed expertise in AI, applied machine learning, data mining, and policy analysis, complemented by a strong understanding of business economics and data science applications. Eager to apply my technical skills and theoretical knowledge to real-world projects, I am seeking an internship opportunity to gain hands-on experience, contribute meaningfully to data-driven solutions, and further develop my professional capabilities. Passionate about solving complex problems and committed to continuous learning, I am excited to grow and make a positive impact through this internship.

## Education

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**General Sir John Kotelawala Defense University** *Jan 2023 – Present*  
*BSc. in Applied Data Science Communication*

- **Coursework:** Data Visualization, Fundamentals of Data mining, Data science application and AI, Machine Learning, Fundamentals of R, Programming with python, SQL, policy analysis

**Walala A Rathnayake Central College** *Jan 2012 – Jan 2019*  
*GCE Ordinary Level*

- **Coursework:** Completed O-Level with a strong academic foundation, excelling in key subjects such as Mathematics, Science, and English. Developed essential skills in critical thinking, problem solving, and analytical reasoning, which have been instrumental in my academic and personal growth.

**Walala A Rathnayake Central College** *Jan 2019 – Jan 2020*  
*GCE Advance Level (Engineering Technology)*

- **Coursework:** Completed A-Level in the Engineering Technology stream, specializing in Engineering Technology, Science for Technology, Information and Communication Technology (ICT), and English. Developed strong technical, analytical, and problem-solving skills, along with a solid foundation in engineering principles and technology applications.

## Extracurricular Activity

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**Batch Representative** *Rathmalana, Colombo*  
*General Sir John Kotelawala Defense University* *Jul 2024 – Jan 2025*

- Served as the primary representative for the batch, effectively communicating student concerns to faculty and ensuring timely resolution of issues.
- Organized academic and extracurricular events, fostering student engagement and enhancing the overall campus experience
- Balanced academic responsibilities with leadership duties, ensuring smooth execution of class schedules and university activities.

**Event Organizer** *Rathmalana, Colombo*  
*AI And Data Science Club, KDU* *Jun 2024 – Jan 2025*

- Successfully organized and managed multiple events for the AI and Data Science Club, from ideation to completion, ensuring smooth operations and high attendee engagement.
- Oversaw event budgets, secured sponsorships, and optimized resource allocation to deliver high-quality events while minimizing costs.
- Designed marketing strategies, leveraging social media, email campaigns, and word-of-mouth promotions to maximize event attendance and participation.

## Member

*ERIC Club, KDU*

*Rathmalana, Colombo*

*Jan 2024 - Jan 2025*

- Participated in outreach programs and events, promoting the club's mission and strengthening connections within the university and beyond.

## Junior Cadet Officer

*Navy Cadet troop, ARCC*

*Walala, Kandy*

*Jan 2017 - Jan 2019*

- Demonstrated discipline, time management, and the ability to work under pressure during cadet exercises and competitions.
- Developed strong leadership, teamwork, and communication skills by coordinating group activities and mentoring junior cadets.
- Participated in Assessment camp 2018 and hermann loos Assessment camp 2018,

## Projects

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### London Metropolitan Police Crime Analysis Dashboard

[Github link](#) 

*2024*

- Developed a comprehensive Power BI dashboard that analyzes crime patterns in Greater London using data from the UK Metropolitan Police Service (MPS).
- Tools used: Microsoft SQL Server, Power BI, SQL

### Crime Data Analysis Dashboard in Los Angeles

[Linkedin link](#) 

*2023*

- Developed an interactive Power BI dashboard that analyzes Los Angeles crime data, revealing trends, hotspots, and actionable insights for data-driven decision-making.
- Tools used: R, Power BI

### UK Property Market Analysis Dashboard

[Github link](#) 

*2024*

- Built a Power BI dashboard that analyzes the Greater Manchester property market, integrating SQL Server for data processing and visualization.
- Tools used: SQL, Power BI

### Greater Manchester Domestic Energy Performance Analyzer

[Github link](#) 

*2024*

- Built a UNIX-style OS with a scheduler, file system, text editor, and calculator
- Tools Used: C

## Technologies

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**Languages:** Python, R, SQL, HTML, CSS, Java Script

**Technologies:** Python (Pandas, NumPy, Scikit-learn, etc.), R (shiny, Tidyverse), TSQL, VS Code, Power BI, Google Colab