

Sathmi Wijeratna

59/2, Jaya Road – Udahamulla, Nugegoda

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Personal Profile

Motivated and detail-oriented data science enthusiast with a strong foundation in statistics and hands-on experience in quantitative and qualitative research. Skilled in data analysis, statistical modeling, and scientific writing, with high experience in leading successful projects and organizing high-impact academic and community events. Adept at teamwork, communication, and problem-solving, with a passion for leveraging data-driven insights to create positive change. Eager to contribute analytical expertise and innovative thinking to challenging opportunities in data science and research.

Key Competencies

Research: Quantitative and qualitative research, data analysis, scientific writing

Technical: Statistical analysis, project management, predictive modeling, Hypothesis testing

Communication: Report writing, presentations, teamwork, stakeholder engagement

Problem Solving: Critical thinking, adaptability, innovative solutions

Leadership: Team coordinating, event management, Decision Making

Research and Projects

Python Bootcamp organized by PyData Sri Lanka

Illinois, USA

"Vehicle in Motion" – Python & Data Science Project

2025

- Analyzed a comprehensive dataset of registered public passenger vehicles in Illinois to uncover insights about the transportation landscape.
- Applied Natural Language Processing (NLP) for sentiment analysis on user feedback and regional reports.
- Built a dynamic dashboard using Python (plotly dash) to visualize patterns, trends, and correlations in the data.
- Conducted data cleaning, preprocessing, and feature extraction to enhance analysis accuracy.
- Project was recognized as one of the top two team projects for exceptional skills and performance.
- **Certificate:** [View Certificate](#)

Education

University of Sri Jayewardenepura

Sri Lanka

BSc (Hons) in Statistics (Expected 2026)

2022–2026

Musaeus College

Colombo, Sri Lanka

Advanced Level: Physical Science Stream

2020

Professional Qualifications

2022: Diploma in Management Accounting, CIMA

[View Certificate](#)

2021: Certificate in Business Accounting, CIMA

[View Certificate](#)

Volunteering

Esala Foundation

Non-profit Organization with 200+ members globally

Treasurer & Former President

2021–Present

- **Treasurer:** Maintain accurate financial records, manage budgets, prepare reports, and oversee all donation transactions.
- **President (2021–2023):** Led a global volunteer team to plan and execute large-scale community service initiatives.
- Organized and coordinated charity events, including:
 - **Rural Schools Development Project:** Provided educational materials, infrastructure support, and mentoring to underserved schools.
 - **Blood Donation Camps:** Conducted in collaboration with hospitals to support local healthcare needs.
 - **Beach Cleanup Activities:** Promoted environmental sustainability and community engagement.
- Fostered collaboration among international members, strengthened donor relationships, and enhanced the foundation's outreach.
- **Links:** Official Website YouTube Channel

International Conference on Statistics and Data Science Institute of Applied Statistics, Sri Lanka Volunteer Moderator 2024

- Volunteered as a session moderator at the prestigious international conference co-hosted by University of Sri Jayewardenepura (USJ), Sri Lanka and Simon Fraser University (SFU), Canada.
- Responsibilities included introducing speakers, managing Q&A sessions, and ensuring smooth transitions between sessions.
- Demonstrated excellent communication, time management, and event coordination skills in a high-profile academic setting.
- **Links:** Conference Website Certificate

Extra Curricular Activities

Department of Computer Science, USJ

Head of Conference Committee, “Aurora” Conference on Generative AI 2025

- Led the planning and execution of Aurora, a high-profile conference focused on Generative AI.
- Networked with and invited prestigious speakers and industry experts, strengthening academic-industry collaboration.
- Ensured seamless event flow through team coordination, time management, and proactive problem-solving.
- **Links:** Certificate LinkedIn Post

University of Sri Jayewardenepura

Secretary – Statistics Society 2023–Present

- Managed all official communication, meeting minutes, and documentation for the society's activities.
- Maintained schedules, coordinated between subcommittees, and ensured smooth internal communication.
- Played a key role in organizing events, workshops, and academic initiatives.
- Part of the core organizing team for the inter-university data science competition “DataXplore”, involving universities across Sri Lanka.
- Contributed to event planning, outreach, report writing, and coordination with faculty and industry experts.
- **Links:** Statistics Society Website DataXplore LinkedIn Post

Software Skills

Programming: Python, R, JAVA, C

Data Analysis: Minitab, Excel, SPSS

Document Prep.: \LaTeX , MS Office, R Markdown

Interests

Networking, Self Growth, Reading, Volunteering, Dancing

References

Dr. Chathuri Jayasinghe

Senior Lecturer, Head of Department

Department of Statistics

University of Sri Jayewardenepura

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