

S.P.Y. SITHUM SASMIKA

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Professional Summary

Detail-oriented Business Analyst undergraduate pursuing a BSc (Hons) in Data Science and Business Analytics. Experienced in analyzing business problems, gathering requirements, engaging stakeholders, and translating data insights into actionable recommendations. Strong interest in process improvement and analytics-driven decision support.

Education

BSc (Hons) in Data Science and Business Analytics **2023 – 2026 (Expected)**
General Sir John Kotelawala Defence University (KDU)

- Dean's List Awardee – 2023
- Key Areas: Business Analytics, Decision Support Systems, Statistics, Business Intelligence

Royal College, Colombo 07 **2008 – 2021**
G.C.E. Advanced Level – Physical Science Stream

Core Competencies

Business Analysis & Stakeholder Management

- Business problem analysis and requirement elicitation
- Stakeholder communication and expectation management
- Business process mapping and improvement
- Data-driven decision support and reporting

Data Analytics & Tools

- Python, R, SQL
- Power BI, Microsoft Excel
- Figma

Academic & Industry Projects

Quick Job – Job Posting & Entrepreneurship Platform

- Identified challenges in job posting and candidate matching through problem analysis
- Defined functional requirements and user flows based on research and assumptions
- Designed an improved conceptual workflow and presented the solution at exhibitions

Secure Complaint Reporting Platform for Women in Public Bus Transport

- Identified safety and complaint-reporting challenges faced by women using public bus services
- Defined business requirements and solution objectives based on problem analysis and research
- Designed secure and ethical complaint-reporting workflows and presented the concept at exhibitions

SkillMatch – Industry Project Matching Platform

- Identified inefficiencies in manual student–industry project allocation processes
- Defined functional requirements and matching logic based on problem analysis
- Designed a conceptual matching workflow and presented the solution at exhibitions

CropNext – Vegetable Harvest Forecasting System

- Identified agricultural planning challenges affecting crop yield and productivity
- Defined decision-support requirements based on data analysis and research

- Interpreted analytical outputs into planning insights and presented findings at exhibitions

Employee Absenteeism Analysis & Prediction

- Framed employee absenteeism as a business problem impacting productivity and operational cost
- Conducted data preprocessing and exploratory data analysis to identify key absenteeism drivers
- Delivered evidence-based recommendations to support workforce planning and policy decisions

Leadership & Activities





University Ambassador – G17 UAC Global Fellowship Program 2024 – 2025

- Represented KDU as a University Ambassador advocating SDG 13: Climate Action
- Planned and executed an SDG-focused Theme Month Project
- Developed leadership, advocacy, and project execution skills


Event Chair – ENVISION 3.0, IEEE Student Branch, KDU 2025

- Led planning and execution of a large-scale technical event
- Oversaw delivery of key initiatives including a GitHub Technical Session, Pre-Undergraduate Outreach Program, and Expert Insight Session
- Coordinated speakers, teams, and event logistics

Certifications & Fellowships

- Data Analytics Essentials – Cisco 
- Python Essentials 1 – Cisco 
- CCNA: Introduction to Networks – Cisco 
- Computer Hardware Basics – Cisco 

Publications

- *A Comprehensive Review of Machine Learning Models for Predicting and Reducing Employee Absenteeism*, SLTC IRC – 2025 
- *Analyzing Trends and Determinants of Employee Absenteeism in the Apparel Manufacturing Sector*, FAS, SEUSL – 2025 [Link](#)

Languages

English, Sinhala

References

Available upon request.