

# Nethuni Machado

Data Science Undergraduate



## EDUCATION

**2008** B.Sc. in Applied Data Science Communication  
**2010** General Sir John Kotelawala Defence University  
Enrolled in a Bachelor of Science program specializing in Applied Data Science Communication at General Sir John Kotelawala Defence University

### Module Results

- Fundamentals of mathematics : A
- Fundamentals of programming with R : A
- Business economics : A+
- Effective presentation skills : A-
- Essence of management and organizational behavior : B+
- Citizen science and communication : A
- Fundamentals of data mining : A
- Programming with Python : A
- Accounting and finance : A
- Effective writing skills : A

**2007** Microsoft certified:  
**2009** Azure AI Fundamentals Certification (AI-900)  
Achieved Microsoft's Azure AI Fundamentals Certification (AI-900), demonstrating proficiency in fundamental concepts of artificial intelligence (AI) and its application within the Azure ecosystem. This certification validates knowledge in key AI concepts, including machine learning principles, computer vision, natural language processing, and conversational AI.

**2007** Python for Beginners online course  
**2009** Department of Computer Science  
University of Moratuwa  
Successfully completed the Python for Beginners online course offered by the Department of Computer Science & Engineering at the University of Moratuwa. This course provided a comprehensive introduction to Python programming, covering essential concepts, syntax, and best practices for beginners.

**2007** St. Joseph's Balika Vidyalaya  
**2009** Kegalle  
Secondary Education  
Successfully passed their G.C.E. Advanced Level in Commerce with ICT with 3Cs and G.C.E. Ordinary Level with 8As and 1C.

## ABOUT ME

An undergraduate pursuing a B.Sc. in Applied Data Science Communication at General Sir John Kotelawala Defence University. Completed G.C.E. Ordinary and Advanced Level Examinations at St. Joseph's Balika Maha Vidyalaya, Kegalle. Proficient in data analytics, statistics, and programming, with foundational knowledge in accounting, economics, and management. Skilled in communication, including presentations and writing. Eager to apply skills in a professional setting and contribute to data analysis

## CONTACTS

 Portfolio



 +94 712331113

 nethuni944@gmail.com

 H/16/4, Siyambalapitiya  
Kegalle

## SKILLS

### // TECHNICAL SKILLS

Python  
R Language  
SQL  
Power BI  
Microsoft Azure

### // PRO SKILLS

Problem Solving  
Handling Pressure  
Event Planning  
Time Management  
Teamwork



## PROJECTS

### CARDIOGUARDIAN

Coronary Heart Disease Prediction App for Data Odyssey The AI & Data Science Exhibition  
Successfully implemented and hosted an coronary heart disease prediction web application

### UFC FIGHTER'S LATEST FIGHT PERFORMANCE ANALYSIS

This dashboards shows the statistical data about the top 100 fighters who have shown the most knockdowns, who have similar fighting styles and similar performances, in their recent fight using the k-means clustering method

### ANALYSIS OF SDG GOALS IN THE SAARC REGION USING POWER BI

SAARC SDG Evaluator is a simple and low-cost Power BI based reporting solution that can be used to evaluate the SDG goals in the SAARC region  
used Power Bi for the dashboard.

### GROUP PROJECT FOR ANALYZE TO UNDERSTAND CHILD POVERTY IN LOWER-

income countries using Microsoft Report Builder and Power BI.The project seeks to give useful insights that can inform policy decisions and enhance the lives of underprivileged children and young people in these places by accessing and analyzing the Young Lives

### GROUP PROJECT FOR ANALYSE AND VISUALISE THE SCOTTISH ENERGY PERFORMANCE CERTIFICATE (EPC) DATA BETWEEN 2016-2022 USING POWER BI

The energy performance certificate dashboard provides a thorough picture of the buildings' energy efficiency in Scotland

### GREATER MANCHESTER HIGHER EDUCATION ANALYSE USING THE LATEST UK HIGHER EDUCATION GRADUATE OUTCOMES DATA

The Greater Manchester Higher Education Analyser is a comprehensive platform providing insights into graduate outcomes. It features a two-page layout, providing an overview of England and detailed information on the unique aspects of Greater Manchester's higher

### GREATER MANCHESTER ROAD SAFETY ANALYZE USING MICROSOFT BUILDER



## RESEARCH WORK

### GROUP RESEARCH ON ANALYZING THE VARIATION OF INFLATIONARY CONSEQUENCES ACROSS CATEGORIES OF PRODUCTS.

### GROUP RESEARCH ON REDUCING TRAFFIC CONGESTION USING SMART BUS MANAGEMET SYSTEM WITH IOT IN COLOMBO METROPOLITAN AREA.

GROUP RESEARCH ON WHAT EXTENT CAN SRI LANKA IMPROVE TAX COLLECTION EFFICIENCY through data-driven analysis of tax gaps and implementing reforms to close those gaps, considering the need for increased government revenue during the economic crisis.

### INDIVIDUAL RESEARCH ON HOW CREATIVE DECISION MAKING RELATES TO MANAGEMENT AND ORGANIZATIONAL BEHAVIOR OF A FIRM.