# Kanishka Hewageegana

Artificial Intelligence & Data Science Undergraduate

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## Education

**Robert Gordon University**                          2021 - Present
Aberdeen, Scotland

BSc.(Hons) Artificial Intelligence and Data Science
- First Year GPA - 3.6 / 4.0

**Ananda College Colombo -10**                          2006 - 2019
- Recipient of International Chemistry Olympiad Distinction Award.
- Astrophysics & Cosmology Tutor /Treasurer for Anandian Astronomical Association.
- Chief Graphic Designer for Ananda College ICT Society
- Violinist / Guitarist in Ananda College Music Circle
- National Award winner in Gymnastics. Involved in Swimming, Badminton, Chess, Athletics and Basketball.

## Work Experience

**Co-founder**                          2021 - Present
Webhack Sri Lanka (Pvt) Ltd.

*Creating comprehensive, innovative and effective websites, graphic designs and social media marketing.*

**Front-End Web Developer / Digital Marketing Analyst**                          Sep 2021 - Feb 2022
Sahasa Global (Pvt) Ltd.

*Analyzed statistics and developed strategies for digital marketing campaigns. Developed and maintained the company's official website.*

**Private Math / Statistics Tutor**                          2019 - Present
*Responsible tutoring for all levels of math from basic to advanced techniques and successfully tutoring struggling math students in which test grades improved from failing to A's and B's.*

**Announcer**                          2011 - 2014
Sri Lanka Broadcasting Corporation.

*Co-hosted weekend children's pre-recorded syndicated programme and Performed as a voice actor in various weekend programmes.*

## Professional Summary

Enthusiastic, Honors AI/Data Science Undergraduate with a strong interest in Data Science, Machine Learning, and Computational Mathematics. Eager to learn and adapt to different environments, as well as to develop leadership skills.

## Skills & Proficiencies

Problem Solving

Data Analysis / Visualization

Machine Learning

Artificial Intelligence

Computational Mathematics

Web Development

Object Oriented Programming

Algorithm Design & Analysis

Databases : MySQL

Big Data : Hadoop , Hive , PySpark (Limited)

Cloud Services : AWS Cloud Platform (Limited)

Programming Languages: Python , Java , R , JavaScript

IDE Editors : Jupyter , VS Code , IntelliJ , Pycharm , Google Collab , IDLE , Scene Builder , Notepad++

MS Office : Excel , Word , PowerPoint

Graphic Design : Adobe After Effects , Adobe Photoshop

Version Control : Git , GitHub

## Achievements & Awards

- International Chemistry Olympiad Distinction Award winner - Royal Australian Chemical Institute (RACI)

- Multiple First & Second Places in art competitions - Sri Lanka national Gold award (2010).

- Gold Star Award winner - Sri Lanka Scout Association.

- 1st place (VFX) - All Island Motion Graphics Competition organized by Mahinda College - Galle

- National Gymnastic Association Awards (Junior) - ×3 Gold , × 1 Silver

- Violin Exam - placed 1st division (Bhatkhande Sangit Vidyapith - India)

- 1st place (VFX) - All Island Motion Graphics Competition organized by Musaeus College - Colombo

- Multiple First and Second places in all island astronomical competitions.

## Projects

- Planet Hunter (Ongoing) - Exoplanets detecting system using machine learning.

- Developed a system which helps scientists to analyze the habitability (water solubility) of an exoplanet.

- Big Data End to End data pipeline (Ongoing) - Implementing a data pipeline based on the insight generation mechanism using AWS Cloud Source Platform.

- Sahasa Global - Developed a Front- End Web application made for Sahasa Global (Pvt) Ltd using HTM5, CSS3, JS and Bootstrap.

- Tower of Hanoi - Interactive GUI application made using Java and JavaFX using python and Java with respect to Object Oriented Programming.

- World of Cricket - Interactive java cricket game using Object Oriented Programming Concepts.

- San- Diego Comic Con Ticketing System - Developed a ticketing system using data structures and algorithms.

- Artificial Intelligence Maze System - Developed searching algorithm to find the shortest path from start to end inside a Maze.

- Machine Learning cluster analysis (Ongoing) - Cluster analysis using R for datasets collected with the Hierarchical Image Processing System (HIPS), with respect to feature engineering methods.

- Developed a neural network which is able to take a digit and calculate the square root to its closest value using neural-net.

## Languages

Sinhala

English

## Volunteering & Affiliations

Google Crowdsourcer

Member of IIT FOSS and Mozilla Campus Club

Member of LEO Club of IIT

Sri Lankan Yoga Federation

Violinist - (Derana Dell studio) Bhathiya & Santhush live in concert 2016

Organizing committee member of the 'Pulz' National ICT Convention - 2015

Treasurer of Star Party'18 , South Asia's First ever night sky observation competition - 2018

## Publications

**Dataset Containing Flux Data for Over 1600 Labelled Targets**

*DOI: 10.13140/RG.2.2.11964.51847*

This Dataset contains flux data collected through the Kepler and Tess missions powered by NASA for all quarters along with a label stating if it is a confirmed or a false positive target.

## References

Mr. Kingsly Rathnayaka
President's Media Spokesmen
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Mr.Upul Withanage
Major General (Retd.) - Sri Lanka Army.
withanage.upul@gmail.com