

VIHANGA JAYAWICKRAMA

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EDUCATION

BSc. Engineering (Hons) in Computer Science and Engineering *University of Moratuwa*
Department of Computer Science and Engineering *August 2017 - July 2022*
Obtained a First Class Honours with a CGPA of 3.97 (out of 4.20)

G.C.E. Advanced Level Education *Mahamaya Girls' College, Kandy*
G.C.E. Advanced Level Examination 2016 *January 2008 - August 2016*
All Distinction (A) passes for Combined Mathematics, Physics, Chemistry, and General English
Island Rank - 303 (out of 28764)
Z score - 2.1614

Diploma in CAD *CADD Centre*
Diploma Program in Computer-Aided Design *January 2017 - April 2017*
Three-month diploma program focused on the AutoCAD software

WORK EXPERIENCE

Lecturer (on Contract) *January 2023 - Present*
Department of Computer Science and Engineering, University of Moratuwa

- Conducted a series of lectures on Object Oriented Programming.
- Assisted a multitude of modules including Program Construction, Data Structures and Algorithms, Communication Skills, Theory of Computing, and Programming Fundamentals.
- Engaged in course content modification, Moodle page management, creation and grading of assignments, and student performance evaluations.
- Evaluated final year projects, semester projects, and industrial training programs.

Junior Researcher *May 2022 - December 2022*
LIRNEasia

- Engaged in research projects on job classification and geotagging.

Teaching Assistant (Theory of Computing) *August 2021 - December 2021*
Department of Computer Science and Engineering, University of Moratuwa

- Involved in the creation and grading of student assignments.
- Worked under Prof. Sanath Jayasena.

Teaching Assistant (Technical Writing) *July 2021 - September 2021*
Department of Computer Science and Engineering, University of Moratuwa

- Involved in the creation and grading of student assignments.
- Worked under Ms. Waruni Karunaratne and Ms. Hiroshi De Silva.

Junior Researcher (Intern) *October 2020 - June 2021*
LIRNEasia

- Engaged in a research project on ML-based misinformation classification in English, Sinhala, and Bengali languages.

RESEARCH INTERESTS

- Natural Language Processing
- Machine Learning and Deep Learning
- Artificial Intelligence
- Data Science
- Computer Vision

PUBLICATIONS

- V. Jayawickrama, G. Weeraprameshwara, N. de Silva, and Y. Wijeratne, “Facebook for sentiment analysis: Baseline models to predict facebook reactions of sinhala posts,” *The International Journal on Advances in ICT for Emerging Regions*, vol. 15, no. 2, 2022.
- G. Weeraprameshwara, V. Jayawickrama, N. de Silva, and Y. Wijeratne, “Sinhala sentence embedding: A two-tiered structure for low-resource languages,” in *Proceedings of the 36th Pacific Asia Conference on Language, Information and Computation*, (Manila, Philippines), pp. 325–336, De La Salle University, Oct. 2022.
- G. Weeraprameshwara, V. Jayawickrama, N. de Silva, and Y. Wijeratne, “Sentiment analysis with deep learning models: A comparative study on a decade of sinhala language facebook data,” in *2022 The 3rd International Conference on Artificial Intelligence in Electronics Engineering*, AIEE 2022, (New York, NY, USA), p. 16–22, Association for Computing Machinery, 2022.
- V. Jayawickrama, G. Weeraprameshwara, N. de Silva, and Y. Wijeratne, “Seeking sinhala sentiment: Predicting facebook reactions of sinhala posts,” in *2021 21st International Conference on Advances in ICT for Emerging Regions (ICTer)*, pp. 177–182, 2021.
- V. Jayawickrama, A. Ranasinghe, D. C. Attanayake, and Y. Wijeratne, “A corpus and machine learning models for fake news classification in sinhala,” 2021.

AWARDS AND ACHIEVEMENTS

Dean’s List	2018 - 2022
Earned placement in the Dean’s List, Faculty of Engineering, University of Moratuwa in Semesters 1, 2, 3, 4, 5, 6, 7, and 8	
RealHack 2.0	2019
<i>Finalist</i> Countrywide university-level Hackathon conducted by the University of Kelaniya	
IQ Master	2018
<i>Runner Up</i> Open competition conducted by the Rotaract Club of University of Moratuwa	
Australian Chemistry Quiz	2015
<i>High Distinction Pass</i> International competition conducted by the Royal Australian Chemical Institute	
Australian Chemistry Quiz	2013
<i>High Distinction Pass with 4th place in Sri Lanka</i> International competition conducted by the Royal Australian Chemical Institute	
International Mathematics and Science Olympiad	2008
<i>Bronze Medal</i> International Competition conducted by Department of Education, Indonesia	
National Mathematics and Science Olympiad	2008
<i>Gold Medal</i>	

PAPER REVIEWS FOR CONFERENCES

Moratuwa Engineering Research Conference (MERCon) 2023
International conference organized by the Engineering Research Unit, University of Moratuwa.

LANGUAGE PROFICIENCIES

English Excellent fluency
Sinhala Excellent fluency

ACTIVITIES AND MEMBERSHIPS

MoraSpirit Initiative 2019 - 2022
Assistant Pillar Head, Editorial Pillar: March 2021 – April 2022
Editor: February 2020 – March 2021
Content Writer: March 2019 – February 2020

ACM Student Chapter of University of Moratuwa 2019 - 2020
Marketing Lead: December 2019 – December 2020

IEEE WIE Affinity Group of University of Moratuwa 2019 - 2020
Marketing Team Member: December 2019 – December 2020

CSE Student Club 2019 - 2020
Vice Secretary: May 2019 – May 2020

IEEE Student Branch of University of Moratuwa 2018 - 2022
Member: 2018 - 2022

Rotaract Club of University of Moratuwa 2017 – 2019
Writer: 2017 – 2019

Prefects Guild of Mahamaya Girls' College, Kandy 2014 - 2016
Senior Prefect: 2015 – 2016
Junior Prefect: 2014 - 2015

Interact Club of Mahamaya Girls' College, Kandy 2014 – 2015
President: 2014 – 2015

PERSONAL INFORMATION

Full Name Meegaha Gedara Vihanga Dewmini Jayawickrama
Citizenship Sri Lankan
Interests Poetry, Literature, Photography, Arts and Crafts, Hiking