

YASASI ABEYSINGHE

SOFTWARE ENGINEER

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PROJECTS

SPEED Adapter

Sysco LABS

January 2019 – Ongoing

Java | Maven | AWS Kinesis | Avro | Apache NiFi

SPEED Adapter is built based on AWS Kinesis Streaming platform which provides the capability to ingest and consume serialized or binary data into/from Amazon Kinesis Streams.

Sysco Kinesis Agent

Sysco LABS

March 2019 – Ongoing

Java | Maven | AWS Kinesis

A stand-alone Java application developed by enhancing the AWS Kinesis Agent to support to ingest compressed data into Amazon Kinesis Streams and supports data consumption through decompression.

SPEED Adapter 2.0

Sysco LABS

March 2021 – Ongoing

Java | Maven | Kafka | Avro | Python | NodeJS

SPEED Adapter 2.0 is built based on Kafka platform which provides the capability to ingest and consume serialized or binary data into/from Kafka topics.

API Central

Sysco LABS

January 2019 – July 2021

Java | Bash | AWS | Docker | Python

A platform which provides API Management capabilities to Sysco with the use of WSO2 API Manager.

API Central 2.0

Sysco LABS

January 2020 – Ongoing

Google Apigee | GO language | Java | Kotlin

An ongoing project to provide API Management capabilities to Sysco with the use of Google Apigee API Manager.

Context Aware Hierarchical Aspect Aggregation

University of Moratuwa

January 2018 – December 2018

Python | Machine Learning | Natural Language Processing | Data Mining

A research on generation of review aspect term hierarchy using word embedding and clustering carried out as the Final Year Project of the undergraduate course.

EDUCATION

B.Sc. Engineering (Hons) in
Computer Science & Engineering

University of Moratuwa, Sri Lanka

October 2014 – December 2018

Specialized in Integrated Computer
Engineering (ICE)

Cumulative GPA: 3.71

First Class

Dean's list: Semesters 2, 6, & 8

Diploma in Computer System Design

National Institute of Business
Management, Sri Lanka

October 2013 – October 2014

Distinction

Diploma in English

Oxford College of Business, Sri Lanka

September 2013 – January 2014

Distinction

G.C.E. Advanced Level Examination
in Physical Science

Sirimavo Bandaranaike Vidyalaya, Colombo
07, Sri Lanka

August 2013

Physics: A

Chemistry: A

Combined Maths: A

Z Score: 2.0659

WORK EXPERIENCE

Senior Software Engineer

Sysco LABS

September 2020 – Ongoing

Software Engineer

Sysco LABS

January 2019 – September 2020

Engineering Intern

LSEG Technology | London Stock Exchange
Group

June 2017 – December 2017

DengAI: Predicting Disease Spread

University of Moratuwa

📅 January 2018 – July 2018

Python | Machine Learning | Data Mining

A project of predicting the number of dengue cases each week based on environmental variables.

Code Review Coverage Reporter

LSEG Technology

📅 June 2017 – December 2017

Python | HTML | CSS | AngularJS | Grafana

A tool which is currently used by LSEG Technology to measure the compliance of each project team to Code Review Guidelines.

Smart Math Tutor

University of Moratuwa

📅 February 2017 – May 2017

Python | Raspberry pi 3 | Raspberry Pi Camera Module V2 | LCD Screen

A stand-alone device that helps to solve handwritten or printed mathematical equations by capturing a photograph of it.

EpiCure

University of Moratuwa

📅 September 2016 – December 2016

PHP | Laravel Framework | Android Studio | Sqlite | MySQL

Mobile app that can be used to collect epidemiologic data from across the country.

Smart Wheelchair

University of Moratuwa

📅 September 2016 – December 2016

Python | Myo-Band | Raspberry pi 3

Smart Wheelchair allows driving the wheelchair with use of hand movements.

Smart Gesture Glove

University of Moratuwa

📅 January 2016 – May 2016

Android Studio | Arduino | Flex Sensors

A glove that allows speech impaired people to communicate by translating sign language into words and displaying it on a mobile app.

PUBLICATIONS

👤 Conference Proceedings

- Rashindrie Perera, Tamasha Malepathirana, Yasasi Abeysinghe, Yumna Albar, and Uthayasanker Thayasivam (Jan. 2019). "Amalgamation of General and Domain Specific Word Embeddings for Improved Hierarchical Aspect Aggregation". In: pp. 55–62. DOI: [10.1109/ICOSC.2019.8665518](https://doi.org/10.1109/ICOSC.2019.8665518).
- Tamasha Malepathirana, Rashindrie Perera, Yasasi Abeysinghe, Yumna Albar, and Uthayasanker Thayasivam (Oct. 2019). "Adaptation of Multivariate Concept to Multi-Way Agglomerative Clustering for Hierarchical Aspect Aggregation". In: pp. 391–395.

ACHIEVEMENTS



CINTEC Award - Academic Year 2017/2018

This is awarded to the student who has earned the highest marks for the Final Year Research.



IEEEExtreme 11.0 Programming competition 2017 - Team HakunaMatata

World Rank 552nd



IEEEExtreme 10.0 Programming competition 2016 - Team HakunaMatata

World Rank 602nd



MoraXtreme 1.0 Programming competition 2016 - Team Specs

University Rank 18th



Colours Awards - Sirimavo Bandaranaike Vidyalaya, Colombo 07

Merit award for performance in Chess



Australian National Chemistry Quiz 2010 - Royal Australian Chemical Institute

Distinction



Inter School Chess Tournaments [2003-2010] - District & National

Awarded for performance in Chess

EXTRA-CURRICULAR ACTIVITIES

- Vice President - Membership, Sysco LABS Toastmasters Club, 2020 - 2021
- Student member of Institute of Electrical and Electronic Engineers (IEEE)
- Member of Rotaract Club of University of Moratuwa
- Member of IEEE Women in Engineering (WIE), University of Moratuwa
- Member of organizing committee of IESL RoboGames, 2016
- Vice President, Mathematics Club, Sirimavo Bandaranaike Vidyalaya, 2011-2012
- Member of Science Society and Electronic Society, Sirimavo Bandaranaike Vidyalaya, 2011-2012
- Vice-Captain, Chess, Sirimavo Bandaranaike Vidyalaya, 2009
- Member of School Chess Team, Sirimavo Bandaranaike Vidyalaya, 2005-2010

REFEREES

References will be provided upon request.