

Supun Abeysinghe

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Education

Purdue University

PHD (COMPUTER SCIENCE)

- Current GPA 4.0/4.0
- Researching at the intersection of machine learning and compilers.

West Lafayette, IN

Aug. 2019 - Present

University of Moratuwa

BSC. ENG IN COMPUTER SCIENCE AND ENGINEERING

- GPA 4.06 out of 4.20
- Ranked 3rd from 123 students
- Dean's list award for all semesters (Should have a semester GPA of 3.8 or above to be in Dean's List)

Sri Lanka

Nov. 2014 - Dec. 2018

Ranabima Royal College

HIGH SCHOOL

- G.C.E. Advanced Level, 5th in Central Province and 64th in Sri Lanka out of 35000+ candidates with Distinction (A) passes for Combined Mathematics, Physics, and Chemistry.

Kandy, Sri Lanka

2005 - 2013

Work Experience

Research Engineer

WSO2 Inc.

- Conducted research on using machine learning techniques to enhance the efficiency of self adaptive (auto tuning) systems which has the ability to configure and reconfigure itself to achieve optimum performance.

Colombo, Sri Lanka

Jan. 2019 - Jul. 2019

Research Assistant

STATNLP LAB, SINGAPORE UNIVERSITY OF TECHNOLOGY AND DESIGN (SUTD)

- Researched in the field of Machine Learning, particularly in Natural Language Processing domain.
- Researched structured prediction with a non-decomposable loss, fake news detection using linguistic features and incorporating external evidence, deep learning, and traditional machine learning approaches.

Singapore

Jun. 2017 - Dec. 2017

Visiting Instructor

UNIVERSITY OF MORATUWA

- Working as a teaching assistant for CS2022-Data Structures and Algorithms module
- Responsible for conducting labs

Sri Lanka

Aug. 2018 - Dec. 2019

Freelance Developer

SELF-EMPLOYED

- Involved in application development projects as a freelance developer.

2016 - 2017

Publications

ADAPT-T: An Adaptive Algorithm for Auto-Tuning Worker Thread Pool Size in Application Servers

NILUSHAN COSTA, MALITH JAYASINGHE, AJANTHA ATUKORALE, SUPUN ABEYSINGHE, SRINATH PERERA, ISURU PERERA

International Symposium on Computers and Communications (ISCC), Barcelona, Spain [to appear]

2019

Sentylic at IEST 2018: Gated Recurrent Neural Network and Capsule Network Based Approach for Implicit Emotion Detection

PRABOD RATHNAYAKA, SUPUN ABEYSINGHE, CHAMOD SAMARAJEWA, ISURA MANCHANAYAKE, MALAKA WALPOLA

9th Workshop on Computational Approaches to Subjectivity, Sentiment and Social Media Analysis, Brussels, Belgium

2018

Enhancing Decision Making Capacity in Tourism Domain Using Social Media Analytics

SUPUN ABEYSINGHE, ISURA MANCHANAYAKE, CHAMOD SAMARAJEWA, PRABOD RATHNAYAKA, MALAKA J. WALPOLA,

RASHMIKA NAWARATNE, THARINDU BANDARAGODA, DAMMINDA ALAHAKOON

Proceedings of International Conference on Advances in ICT for Emerging Regions, Colombo, LK.

2018

Honors & Awards

- 2018 **Dean's List Award**, Dean's list award for all semesters (Should have a semester GPA of 3.8 or above to be in Dean's List)
- 2014 **Mahapola Scholarship Recipient**, Awarded by the Government of Sri Lanka for most outstanding students in G.C.E Advanced Level

Competition Awards

- 2018 **World Rank - 60 (Top 1.5%), Country Rank - 01**, IEEEExtreme v12.0 - IEEEExtreme is one of the largest worldwide competitive programming contest
- 2018 **5th Place**, Implicit Emotion Detection Shared Task, Organized as part of WASSA 2018 at EMNLP 2018
- 2018 **31st Place (Top 0.8%)**, DengAI: Predicting Disease Spread task, task was to predict the number of Dengue cases recorded
- 2018 **Champions**, MoraXtreme v3.0 - An internal 12 hour competitive programming competition
- 2016 **World Rank - 106 (Top 5%), Country Rank - 03**, IEEEExtreme v10.0 - IEEEExtreme is one of the largest worldwide competitive programming contest
- 2016 **First Place**, Code Breaker - Bethem Challenge: An island wide, 24 hour competitive programming contest organized by 99x Technologies, Sri Lanka.
- 2016 **Champions**, MoraXtreme v1.0 - An internal 12 hour competitive programming competition
- 2016 **Second Place**, AcesCoders v6.0: All island 12 hour competitive programming contest for undergrads. Ranked 2nd out of 102 teams