Supun **Abeysighe**

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Education

University of Moratuwa   *Sri Lanka*

BSc. Eng in Computer Science and Engineering   *Nov. 2014 - Exp. Dec. 2018*

- Current **GPA 4.02** out of 4.20
- Dean's list award for all semesters up to now (1,2,3,4,5, and 6) (Should have a semester GPA of 3.8 or above to be in Dean's List)

Ranabima Royal College   *Kandy, Sri Lanka*

High School   *2005 - 2013*

- G.C.E. Advanced Level, **64th** in Sri Lanka with Distinction (A) passes for Combined Mathematics, Physics, and Chemistry.

Work Experience

Research Assistant   *Singapore*

StatNLP Lab, Singapore University of Technology and Design (SUTD)   *Jun. 2017 - Dec. 2017*

- Conducted research in Machine Learning, Natural Language Processing in particular.
- Researched about structured prediction with non-decomposable loss, fake news detection using linguistic features and incorporating external evidence, deep learning and traditional machine learning approaches

Visiting Instructor   *Sri Lanka*

University of Moratuwa   *Aug. 2018 - PRESENT*

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

Freelance Developer

Self-employed   *2016 - 2017*

- Involved in application development projects as a freelance developer.

Honors & Awards

Competition Awards

2018	**World Rank - 66 (Top 1.6%), Country Rank - 01**, IEEEXtreme v12.0 - IEEEXtreme is one of the largest worldwide competitive programing 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	**Champians**, MoraXtreme v3.0 - An internal 12 hour competitive programming competition
2016	**World Rank - 106 (Top 5%), Country Rank - 03**, IEEEXtreme v10.0 - IEEEXtreme is one of the largest worldwide competitive programing contest
2016	**First Place**, Code Breaker - Bethem Challenge: An island wide, 24 hour competitive programming contest organized by 99x Technologies, Sri Lanka.
2016	**Champians**, MoraXtreme v1.0 - An internal 12 hour competitive programming competition
2016	**First Place**, Code Breaker - Bethem Challenge: An island wide, 24 hour competitive programming contest organized by 99x Technologies, Sri Lanka.

Other Awards

2018	**Dean's List Award**, Dean's list award for all semesters up to now (1,2,3,4,5, and 6) (Should have a semester GPA of 3.8 or above to be in Dean's List)
2014	**Mahapola Scholarship Recipient**, Awarded by Government of Sri Lanka for most outstanding students in G.C.E Advanced Level

Publications

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

PRABOD RATHNAYAKA, **SUPUN ABEYSINGHE**, CHAMOD SAMARAJEEWA, ISURA MANCHANAYAKE, MALAKA WALPOLA *2018*

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

Enhancing Decision Making Capacity in Tourism Domain Using Social Media Analytics

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

RASHMIKA NAWARATNE, THARINDU BANDARAGODA, DAMMINDA ALAHAKOON *2018*

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

Skills

Programming Languages	Python, Java, JavaScript, C++, C
Web Frameworks	Angular, AngularJS, JQuery, Node.js, Spring-boot, Bootstrap, Jhipster
Databases	MySQL, MongoDB
Machine Learning Frameworks	PyTorch, Scikit-learn, Keras, Tensorflow
Interested Areas	Machine Learning, Natural Language Processing, Deep Learning, Information Retrieval, Programming Languages, Distributed Systems

Projects

Enhancing Decision Making Capacity in Tourism Domain Using Social Media Analytics

HTTPS://GITHUB.COM/SENTYLIC *2018*

- A platform which has the ability to extract reviews for any entity, identify aspects/topics discussed, find the sentiment expressed towards each aspect and extract emotions and visualize the insights (Research Project)
- Used Technologies: PyTorch, Keras, Tensorflow, Python, Flask, Java, Node.js
- Machine learning based research project

Sri Lanka Restaurant Reviews Search Index

HTTPS://GITHUB.COM/SMB564/CS4642-IR-RESTAURANTS *2018*

- A search index for a scraped set of restaurants reviews was built using Apache Solr. Information Retrieval techniques have been employed to improve the performance of the retrieval model.
- Used Technologies: Apache Solr, Scrapy
- Information retrieval based project

Career Fair - CV Portal

HTTPS://GITHUB.COM/SMB564/CAREER-FAIR *2018*

- A SharePoint add-in for sharing CVs of final year students with the industry prior to the career fair.
- Used Technologies: Share-Point, JavaScript, AngularJS

Internship Portal

HTTPS://GITHUB.COM/SMB564/INTERNSHIP-SHAREPOINT-ADDIN *2017*

- A SharePoint add-in for sending the CVs of interns to their selected companies. Currently hosted at department SharePoint site.
- Used Technologies: Share-Point, JavaScript, AngularJS

CV Feedback Portal

HTTPS://GITHUB.COM/SMB564/CV-FEEDBACK-SHAREPOINT-ADD-IN *2016*

- A web-based system where CVs of undergraduates are reviewed by the Alumni members of the department. Currently hosted at department SharePoint site.
- Used Technologies: Share-Point, JavaScript, AngularJS

UniConnect System

HTTPS://GITHUB.COM/SMB564/UNICONNECT *2016*

- UniConnect is an academic resource sharing and opportunity seeking web system for undergraduate students
- Used Technologies: Java Spring-Boot, AngularJS, MongoDB, JHipster

Tank Game Client

HTTPS://GITHUB.COM/SMB564/TANK-GAME *2016*

- A game client that will connect and play with a Tank Game server. A game playing AI and game graphics were implemented
- Used Technologies: C#, Unity

Energy Monitoring System

HTTPS://GITHUB.COM/SMB564/ENERGY-MONITORING-SYSTEM *2016*

- An online system to monitor energy consumption and an online portal to manage and perform customer transactions
- Used Technologies: AngularJS, Node.js, MySQL

ERP System for Kandy Plastics PVT(LTD)

2016

- An online system to monitor energy consumption and an online portal to manage and perform customer transactions
- Used Technologies: Qt Framework, C++

Volunteer Experience

Secretary
Sri Lanka

COMPUTER SOCIETY, IEEE STUDENT BRANCH, UNIVERSITY OF MORATUWA
2017

- Involved in challenge creation for all island and university level competitive programming contest
- Conducted awareness sessions and talks

Professional Affiliations

IEEE Student Member

INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
2015 - PRESENT

- Institute of Electrical and Electronic Engineers is the world's largest technical professional organization

IESL Student Member

INSTITUTION OF ENGINEERS SRI LANKA
2016 - PRESENT

- The Institution of Engineers Sri Lanka is the main governing body of engineers in Sri Lanka

References

References are available upon request