Supun Abeysinghe

Computer Science and Engineering Undergraduate

A tech enthusiast who has a craving for coding. Has good analytical skills and ability to adapt to any technology in a quick succession. Likes working with the cutting edge plus enjoy research. Self-learner and loves algorithmic problem-solving. Possess research experience and passionate about the field of natural language processing and has experience in application development as well.



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in /supunabeysinghe

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A https://supun.online/

EDUCATION

University of Moratuwa [2014 - 2018]

BSc. Eng. in Computer Science and Engineering Current GPA 4.02 out of 4.2, Dean's list award for all semesters up to now (1,2,3,4,5, and 6)

Ranabima Royal College, Kandy

[2005 - 2013]

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

Charted Institute of Management Accountants (CIMA) [2013 - 2014]

CIMA Diploma in Management Accounting

AWARDS AND ACHIEVEMENTS

IEEEXtreme v10.0 - Country Rank 3rd [2016] (Team)

IEEEXtreme is one of the largest worldwide competitive programing contests. Country rank – 3^{rd} , Global rank - 106^{th}

Implicit Emotion Detection Shared Task - 5th Place [2018] (Team)

Task was to predict the emotions expressed in text, without having explicit mentions of emotion related terms. Ranked 5th among contestants from top universities all around the world

DengAI: Predicting Disease Spread - 31st Place (Top 0.8%) [2018] (Team)

The task was to predict the number of Dengue cases recorded in two cities San Juan and Iquitos of Peru.

Code Breaker - Bethem Challenge - First Place [2016] *(Individual)*

24 hour competitive programming contest organized by 99x Technologies, Sri Lanka. Obtained the **1**st **place** among 78 undergrads from universities island wide

MoraXtreme v1.0 Champions [2016] (Team)

An internal 12 hour competitive programming competition. Ranked 1st from 60 teams from university of Moratuwa

AcesCoders v6.0 Runners Up [2016] (Team)

All island 12 hour competitive programming contest for undergrads. Ranked 2nd out of 102 teams

HackerRank Contest - 1 Gold, 7 Silver, 5 Bronze [2016] (Individual)

HackerRank is an online competitive programming contest hosting platform. Medals awarding scheme – Gold - top 4%, Silver - top 8% and Bronze - top 13%

WORK EXPERIENCE

Research Assistant [Jun. 2017 – Dec. 2017] *StatNLP Lab, Singapore*

Conducted research in NLP and involved in testing StatNLP framework. Researched about structured prediction with non-decomposable loss (Searn Algorithm), fake news detection using linguistic features and incorporating external evidence, deep learning and traditional machine learning approaches.

Teaching Assistant [Aug. 2018 – Present] *University of Moratuwa*

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

Freelance Developer [2016 – 2017]

Involved in application development projects as a freelance developer. Worked part time for igoagain.com and Lunahlabs (a service providing startup)

VOLUNTEER EXPERIENCE

Secretary [2017]

Computer Society, IEEE Student Branch, University of Moratuwa

Involved in challenge creation for all island and intra university competitive programming contest, conducted several awareness sessions

PUBLICATIONS

Prabod Rathnayaka, **Supun Abeysinghe**, Chamod Samarajeewa, Isura Manchanayake, Malaka Walpola (2018): **Sentylic at IEST 2018: Gated Recurrent Neural Network and Capsule Network Based Approach for Implicit Emotion Detection**

To appear in proceedings of 9th Workshop on Computational Approaches to Subjectivity, Sentiment & Social Media Analysis (WASSA) (*Poster*)

Supun Abeysinghe, Isura Manchanayake, Chamod Samarajeewa, Prabod Rathnayaka, Malaka J. Walpola, Rashmika Nawaratne, Tharindu Bandaragoda, Damminda Alahakoon (2018): Enhancing Decision

Making Capacity in Tourism Domain Using Social Media Analytics

To appear in proceedings of 18th International Conference of Advances in ICT for Emerging Regions (ICTer2018)

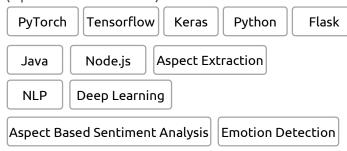
PROJECTS

Enhancing Decision Making Capacity in Tourism Domain Using Social Media Analytics [2018]

https://github.com/sentylic

(Final Year Project)

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) (2 publications as of now)



Sri Lanka Restaurant Reviews Search Index

https://github.com/smb564/CS4642-IR-Restaurants 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.

Apache Solr Information Retrieval Scrapv

Internship Portal [2017]

https://github.com/smb564/Internship-sharepoint-addin A SharePoint add-in for sending the CVs of interns to their selected companies. Currently hosted at department SharePoint site.

AngularJS SharePoint JSOM

CV Feedback Portal [2016]

https://github.com/smb564/CV-Feedback-SharePoint-Add-in

A web-based system where CVs of undergraduates are reviewed by the Alumni members of the department. Currently hosted at department SharePoint site.

SharePoint JSOM JQuerry

UniConnect [2017]

https://github.com/smb564/UniConnect

UniConnect is an academic resource sharing and opportunity seeking web system for undergraduate students.

Spring-Boot AngularJS MongoDB **JHipster**

Tank Game Client [2016]

https://github.com/smb564/Tank-Game

A game client that will connect and play with a Tank Game server. A game playing AI and game graphics were implemented

Unity C#

Energy Monitoring System [2016]

https://github.com/smb564/Energy-Monitoring-System An online system to monitor energy consumption and an online portal to manage and perform customer transactions

AngularJS Node.js MySQL

ERP System for Kandy Plastics PVT(LTD)

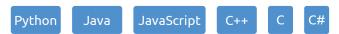
[2016]

An ERP system which has the ability to manage the complete workflow of the company

Qt Framework C++

SKILLS

Programming Languages



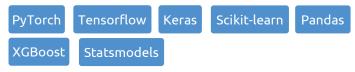
Web/application Frameworks



Databases

MySQL MongoDB

Machine Learning Frameworks



Interested Areas Natural Language Processing Machine Learning Deep Learning Information Retrieval Distributed Systems Programming Languages

PROFESSIONAL AFFILIATIONS

IEEE Student Member [2015-Present]

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

IESL Student Member [2017-Present]

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

REFERENCES

Dr. Malaka J. Walpola

PhD (FIU), MS (FIU), BSc Eng. (Hons) (Moratuwa) Senior Lecturer at the Department of Computer Science and Engineering University of Moratuwa malaka@cse.mrt.ac.lk

(Final Year Project group supervisor)