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ACADEMIC QUALIFICATIONS

Ph.D (Computer & Information Science), University of Oregon, United States of America, 2020.

Dissertation Title: Semantic Oppositeness for Inconsistency and Disagreement Detection in Natural Language.

Advisor: Dejing Dou

M.Sc (Computer & Information Science), University of Oregon, United States of America, 2016.

Obtained a CGPA of 4.13 (out of 4.00).

B.Sc Engineering (Hons) (Computer Science & Engineering), University of Moratuwa, Sri Lanka, 2011

Obtained a First Class Honours with a CGPA of 3.73 (out of 4.20)

RESEARCH AND PROFESSIONAL EXPERIENCE

- **Graduate Student**, Department of Computer and Information Science, University of Oregon, OR, USA. (September 2014 — December 2020)
- **Graduate Research/Teaching Fellow**, Department of Computer and Information Science, University of Oregon, OR, USA. (September 2014 — December 2020)
- **Givens Associate**, Argonne National Laboratory, Department of Energy, USA. (July 2018 — September 2018)
- **Lecturer**, Department of Computer science and Engineering, Faculty of Engineering, University of Moratuwa, Sri Lanka. (December 2011 — on study leave since September 2014)
- **Researcher**, LIRNEasia, 12 Balcombe Place, Colombo 08, Sri Lanka. (September 2013 — August 2014)
- **Visiting Lecturer**, Northshore College of Business and Technology, Colombo 15, Sri Lanka. (January 2013 — August 2014)
- **Consultant**, Lady Lachore Loan Fund, Sri Lanka (May 2012 — September 2014).
- **Intern Software Engineer**, Gamos Technology Solutions (pvt.) Ltd., Sri Lanka (Feb 2010 — July 2010)

AFFILIATED RESEARCH LABS AND GROUPS

- **Data Science Engineering, Analytics Research Center-Hub (DataSEARCH)**, University of Moratuwa, Sri Lanka : Proposer (2017 — to date)
- **NSF IUCRC Center for Big Learning (CBL)**, University of Oregon, USA : working with Dr. Dejing Dou (2018 — 2020)
- **Advanced Integration and Mining (AIM) Lab**, University of Oregon, USA : working with Dr. Dejing Dou (2014 — 2020)
- **Data Mining Research Group**, University of Moratuwa, Sri Lanka : working with Dr. Amal Shehan Perera (December 2011 — September 2014)
- **E-content research group**, University of Moratuwa, Sri Lanka : working with Prof. Gihan Dias (December 2011 — September 2014)
- **Teaching, Learning and Assessment (TLA) practices for Computer Science and Engineering education research group**, University of Moratuwa, Sri Lanka : working with Dr. Shahani Weerawarana (December 2011 — September 2014)
- **Big Data for Development (BD4D) group**, LIRNEasia, Sri Lanka : working with Mr. Sriganesh Lokanathan and Prof. Rohan Samarajiva (September 2013 — August 2014)

RESEARCH INTERESTS

- Machine Learning (ML) and Artificial General Intelligence (AGI)
- Natural Language Processing (NLP) and language dependant cognition
- Data mining and visualization
- Bioinformatics

PUBLICATIONS

Book Chapters

1. N. H. N. D. de Silva, *Relational Databases and Biomedical Big Data*, *Bioinformatics in MicroRNA Research*, pp. 69–81, 2017. DOI: 10.1007/978-1-4939-7046-9_5

Journal Papers

2. G. Ratnayaka, T. Rupasinghe, N. de Silva, M. Warushavithana, V. Gamage, M. Perera, and A. S. Perera, *Classifying Sentences in Court Case Transcripts using Discourse and Argumentative Properties*, *ICTer*, vol. 12, no. 1, 2019. DOI: 10.4038/ictcr.v12i1.7200
3. P. Wang, L. Ji, J. Yan, D. Dou, N. de Silva, Y. Zhang, and L. Jin, *Concept and Attention-Based CNN for Question Retrieval in Multi-View Learning*, *ACM Transactions on Intelligent Systems and Technology (TIST)*, vol. 9, no. 4, p. 41, 2018. DOI: 10.1145/3151957
4. V. Jayawardana, D. Lakmal, N. de Silva, A. S. Perera, K. Sugathadasa, B. Ayesha, and M. Perera, *Word Vector Embeddings and Domain Specific Semantic based Semi-Supervised Ontology Instance Population*, *International Journal on Advances in ICT for Emerging Regions*, vol. 10, no. 1, p. 1, 2017. DOI: 10.4038/ictcr.v11i1.7191
5. F. Gutierrez, D. Dou, N. de Silva, and S. Fickas, *Online Reasoning for Semantic Error Detection in Text*, *Journal on Data Semantics*, Jul. 2017, ISSN: 1861-2040. DOI: 10.1007/s13740-017-0079-6
6. J. Huang, F. Gutierrez, H. J. Strachan, D. Dou, W. Huang, B. Smith, J. A. Blake, K. Eilbeck, D. A. Natale, Y. Lin, B. Wu, N. de Silva, *et al.*, *Omnisearch: a semantic search system based on the Ontology for MicroRNA Target (OMIT) for microRNA-target gene interaction data*, *Journal of biomedical semantics*, vol. 7, no. 1, p. 25, May 2016. DOI: 10.1186/s13326-016-0064-2
7. J. Huang, K. Eilbeck, B. Smith, J. A. Blake, D. Dou, W. Huang, D. A. Natale, A. Ruttenberg, J. Huan, M. T. Zimmermann, G. Jiang, Y. Lin, B. Wu, H. J. Strachan, N. de Silva, *et al.*, *The development of non-coding RNA ontology*, *International journal of data mining and bioinformatics*, vol. 15, no. 3, pp. 214–232, 2016. DOI: 10.1504/IJDMB.2016.077072
8. S. Lokanathan, G. E. Kreindler, N. H. N. de Silva, Y. Miyauchi, D. Dhananjaya, and R. Samarajiva, *The Potential of Mobile Network Big Data as a Tool in Colombo's Transportation and Urban Planning*, *Information Technologies & International Development*, vol. 12, no. 2, pp-63, 2016

Conference Papers

9. M. de Almeida, C. Samarawickrama, N. de Silva, G. Ratnayaka, and A. S. Perera, *Legal Party Extraction from Legal Opinion Text with Sequence to Sequence Learning*, in *2020 20th International Conference on Advances in ICT for Emerging Regions (ICTer)*, IEEE, 2020, pp. 143–148. DOI: 10.1109/ICTer51097.2020.9325488
10. Q. Lu, N. de Silva, D. Dou, T. H. Nguyen, P. Sen, B. Reinwald, and Y. Li, *Exploiting Node Content for Multiview Graph Convolutional Network and Adversarial Regularization*, in *Proceedings of the 28th International Conference on Computational Linguistics*, 2020, pp. 545–555
11. C. R. Mudalige, D. Karunarathna, I. Rajapaksha, N. de Silva, G. Ratnayaka, A. S. Perera, and R. Pathirana, *SigmaLaw-ABSA: Dataset for Aspect-Based Sentiment Analysis in Legal Opinion Texts*, *ArXiv preprint arXiv:2011.06326*, 2020 [**Best Paper Award**]
12. I. Rajapaksha, C. R. Mudalige, D. Karunarathna, N. de Silva, G. Rathnayaka, and A. S. Perera, *Rule-Based Approach for Party-Based Sentiment Analysis in Legal Opinion Texts*, *ArXiv preprint arXiv:2011.05675*, 2020 [**Invited to Journal**]
13. G. Ratnayaka, N. de Silva, A. S. Perera, and R. Pathirana, *Effective Approach to Develop a Sentiment Annotator For Legal Domain in a Low Resource Setting*, *ArXiv preprint arXiv:2011.00318*, 2020
14. N. de Silva and D. Dou, *Semantic Oppositeness Embedding Using an Autoencoder-based Learning Model*, in *Database and Expert Systems Applications*, 2019, pp. 159–174. DOI: 10.1007/978-3-030-27615-7_12
15. G. Ratnayaka, T. Rupasinghe, N. de Silva, M. Warushavithana, V. Gamage, and A. S. Perera, *Identifying Relationships Among Sentences in Court Case Transcripts Using Discourse Relations*, in *2018 18th International Conference on Advances in ICT for Emerging Regions (ICTer)*, IEEE, 2018, pp. 13–20. DOI: 10.1109/ICTER.2018.8615485 [**Invited to Journal**]
16. K. Sugathadasa, B. Ayesha, N. de Silva, A. S. Perera, V. Jayawardana, D. Lakmal, and M. Perera, *Legal Document Retrieval using Document Vector Embeddings and Deep Learning*, in *Science and information conference*, Springer, 2018, pp. 160–175. DOI: 10.1007/978-3-030-01177-2_12
17. K. Sugathadasa, B. Ayesha, N. de Silva, A. S. Perera, V. Jayawardana, D. Lakmal, and M. Perera, *Synergistic Union of Word2Vec and Lexicon for Domain Specific Semantic Similarity*, in *2017 IEEE International Conference on Industrial and Information Systems (ICIIS)*, IEEE, 2017, pp. 1–6. DOI: 10.1109/ICIINFS.2017.8300343

18. V. Jayawardana, D. Lakmal, N. de Silva, A. S. Perera, K. Sugathadasa, B. Ayesha, and M. Perera, *Semi-Supervised Instance Population of an Ontology using Word Vector Embeddings*, in *2017 Seventeenth International Conference on Advances in ICT for Emerging Regions (ICTer)*, IEEE, 2017, pp. 1–7. DOI: 10.1109/ictcr.2017.8257822 [**Invited to Journal**]
19. N. de Silva, D. Dou, and J. Huang, *Discovering Inconsistencies in PubMed Abstracts Through Ontology-Based Information Extraction*, in *Proceedings of the 8th ACM International Conference on Bioinformatics, Computational Biology, and Health Informatics*, ser. ACM-BCB '17, Boston, Massachusetts, USA: ACM, 2017, pp. 362–371. DOI: 10.1145/3107411.3107452
20. V. Jayawardana, D. Lakmal, N. de Silva, A. S. Perera, K. Sugathadasa, and B. Ayesha, *Deriving a Representative Vector for Ontology Classes with Instance Word Vector Embeddings*, in *2017 Seventh International Conference on Innovative Computing Technology (INTECH)*, IEEE, 2017, pp. 79–84. DOI: 10.1109/intech.2017.8102426
21. N. H. N. D. de Silva, *SAFS3 Algorithm: Frequency Statistic and Semantic Similarity Based Semantic Classification Use Case*, in *Advances in ICT for Emerging Regions (ICTer), 2015 Fifteenth International Conference on*, IEEE, Aug. 2015, pp. 77–83. DOI: 10.1109/ICTER.2015.7377670
22. D. Upeksha, C. Wijayarathna, M. Siriwardena, L. Lasandun, C. Wimalasuriya, N. H. N. D. de Silva, and G. Dias, *Comparison Between Performance of Various Database Systems for Implementing a Language Corpus*, in *International Conference: Beyond Databases, Architectures and Structures*, Springer, May 2015, pp. 82–91. DOI: 10.1007/978-3-319-18422-7_7
23. D. Upeksha, C. Wijayarathna, M. Siriwardena, L. Lasandun, C. Wimalasuriya, N. H. N. D. De Silva, and G. Dias, *Implementing a Corpus for Sinhala Language*, in *Symposium on Language Technology for South Asia 2015*, 2015. DOI: 10.13140/RG.2.2.23035.11047
24. U. L. D. N. Gunasinghe, W. A. M. De Silva, N. H. N. D. de Silva, A. S. Perera, W. A. D. Sashika, and W. D. T. P. Premasiri, *Sentence Similarity Measuring by Vector Space Model*, in *Advances in ICT for Emerging Regions (ICTer), 2014 International Conference on*, IEEE, Dec. 2014, pp. 185–189. DOI: 10.1109/ICTER.2014.7083899
25. S. R. Ponnampuruma, A. S. L. Gunawardana, T. Shanika, P. S. Pathirana, S. Markus, and N. H. N. D. de Silva, *Novel Approach for Perception Analysis In a Learning Environment*, in *Teaching, Assessment and Learning (TALE), 2014 International Conference on*, IEEE, Dec. 2014, pp. 148–154. DOI: 10.1109/TALE.2014.7062607
26. S. Lokanathan, N. de Silva, G. Kreindler, Y. Miyauchi, and D. Dhananjaya, *Using Mobile Network Big Data for Informing Transportation and Urban Planning in Colombo*, Nov. 2014 [**Invited to Journal**]
27. I. Wijesiri, M. Gallage, B. Gunathilaka, M. Lakjeewa, D. Wimalasuriya, G. Dias, R. Paravithana, and N. de Silva, *Building a WordNet for Sinhala*, in *Proceedings of the Seventh Global WordNet Conference*, Jan. 2014, pp. 100–108
28. N. H. N. D. de Silva, A. S. Perera, and M. K. D. T. Maldeniya, *Semi-Supervised Algorithm for Concept Ontology Based Word Set Expansion*, in *Advances in ICT for Emerging Regions (ICTer), 2013 International Conference on*, IEEE, Dec. 2013, pp. 125–131. DOI: 10.1109/ICTER.2013.6761166
29. E. L. Karannagoda, H. M. T. C. Herath, K. N. J. Fernando, M. W. I. D. Karunarathne, N. H. N. D. de Silva, and A. S. Perera, *Document Analysis Based Automatic Concept Map Generation for Enterprises*, in *Advances in ICT for Emerging Regions (ICTer), 2013 International Conference on*, IEEE, Dec. 2013, pp. 154–159. DOI: 10.1109/ICTER.2013.6761171
30. N. H. N. D. de Silva, S. M. Weerawarana, and A. S. Perera, *Enabling Effective Synoptic Assessment via Algorithmic Constitution of Review Panels*, in *Teaching, Assessment and Learning for Engineering (TALE), 2013 IEEE International Conference on*, IEEE, Aug. 2013, pp. 776–781. DOI: 10.1109/TALE.2013.6654543
31. N. H. N. D. de Silva, S. M. Weerawarana, and A. S. Perera, *Automating the Composition and Scheduling Process for Synoptic Assessment Panels*, in *9th SDC-SLAIHEE Higher Educationm Conference 2013*, Jun. 2013
32. E. Mapa, L. Wattaladeniya, C. Chathuranga, S. Dassanayake, N. de Silva, U. Kohomban, and D. Maldeniya, *Text Normalization in Social Media by using Spell Correction and Dictionary Based Approach*, *Systems Learning*, vol. 1, pp. 1–6, 2012
33. N. H. N. D. de Silva, C. S. N. J. Fernando, M. K. D. T. Maldeniya, D. N. C. Wijeratne, A. S. Perera, and B. Goertze, *SeMap-Mapping Dependency Relationships into Semantic Frame Relationships*, in *Engineering Research Unit Research Seminar*, Dec. 2011

Workshop Papers

34. G. Ratnayaka, T. Rupasinghe, N. de Silva, V. Gamage, M. Warushavithana, and A. S. Perera, *Shift-of-Perspective Identification Within Legal Cases*, in *Proceedings of the 3rd Workshop on Automated Detection, Extraction and Analysis of Semantic Information in Legal Texts*, 2019

35. V. Gamage, M. Warushavithana, N. de Silva, A. S. Perera, G. Ratnayaka, and T. Rupasinghe, *Fast Approach to Build an Automatic Sentiment Annotator for Legal Domain using Transfer Learning*, in *Proceedings of the 9th workshop on computational approaches to subjectivity, sentiment and social media analysis*, 2018, pp. 260–265. DOI: 10.18653/v1/W18-6238

White Papers

36. Y. Wijeratne and N. de Silva, *Sinhala Language Corpora and Stopwords from a Decade of Sri Lankan Facebook*, *ArXiv preprint arXiv:2007.07884*, 2020. DOI: 10.2139/ssrn.3650976
37. Y. Wijeratne, N. de Silva, and Y. Shanmugarajah, *Natural Language Processing for Government: Problems and Potential*, *LIRNEasia*, 2019

Preprints

38. N. de Silva, *Survey on Publicly Available Sinhala Natural Language Processing Tools and Research*, *ArXiv preprint arXiv:1906.02358*, 2019
39. P. Wang, D. Dou, F. Wu, N. de Silva, and L. Jin, *Logic Rules Powered Knowledge Graph Embedding*, *ArXiv preprint arXiv:1903.03772*, 2019
40. N. de Silva, D. Maldeniya, and C. Wijeratne, *Subject Specific Stream Classification Preprocessing Algorithm for Twitter Data Stream*, *ArXiv preprint arXiv:1705.09995*, 2017
41. N. de Silva, *Sinhala Text Classification: Observations from the Perspective of a Resource Poor Language*, 2015

DATA SETS RELEASED

- SigmaLaw Data Sets
 - Large Legal Text Corpus and Word Embeddings Data Set
<https://osf.io/qvg8s/files/>
Published in the 2017 IEEE International Conference on Industrial and Information Systems (ICIIS).
 - Legal Information Retrieval Data Set
<https://osf.io/76nmx/files/>
Published in the 2018 Science and information conference.
 - Legal Ontology Building Data Set
<https://osf.io/zsp8e/files/>
Published in the 2017 Seventh International Conference on Innovative Computing Technology (INTECH).
 - Legal Ontology Population Data Set
<https://osf.io/wb8sr/files/>
Published in the Seventeenth International Conference on Advances in ICT for Emerging Regions (ICTer) and vol. 11 no. 1 of *ICTer*.
- PubMed Data Set
<https://osf.io/ty3b9/files/>
Published in the 8th ACM International Conference on Bioinformatics, Computational Biology, and Health Informatics (ACM-BCB).
- SinMin Data Set
<https://osf.io/a5quv/files/>
Published in the Symposium on Language Technology for South Asia 2015.
- SiClaEn Data Set
<https://osf.io/tdb84/files/>
Published in preprint "Sinhala Text Classification: Observations from the Perspective of a Resource Poor Language".

STUDENTS

MSc Thesis Advisor (Current) [Co-advisor: Amal Shehan Perera]

- Gathika Ratnayaka

BSc Thesis Advisor (Current) [Co-advisors: Gathika Ratnayaka, Amal Shehan Perera]

- Dilini Karunarathna, Chanika Mudalige, Isanka Rajapaksha
- Melonie de Almeida, Chamodi Samarawickrama

BSc Thesis Advisor (Graduated)

- Gathika Ratnayaka, Thejan Rupasinghe, Menuka Warushavithana, Viraj Gamage
Thesis Title: *Ontology-Based Information Extraction for Automatic Generation of Legal Arguments*, 2019.
Co-advisors: Amal Shehan Perera
- Vindula Jayawardana, Keet Sugathadasa, Dimuthu Lakmal, Buddhi Rathnayake
Thesis Title: *Ontology Based Legal Information Extraction*, 2018.
Co-advisors: Amal Shehan Perera
- Chathura Gamage, Shamika Gunaratne, Manuri Perera, Randima Sandamal
Thesis Title: *Road Traffic Detection and Prediction System based on Anonymised Caller Detail Records*, 2015.
Co-advisors: Amal Shehan Perera, Sriganesh Lokanathan, Srinath Perera, Danaja Maldeniya
- Chamath Kumarasinghe, Dananji Liyanage, Jayaruwan Mannapperuma, Isuru Wijesinghe
Thesis Title: *Socioeconomic Status Classification of Geographic Regions in Sri Lanka Using Anonymised Call Detail Records*, 2015.
Co-advisors: Amal Shehan Perera, Sriganesh Lokanathan, Kaushalya Madhawa, Danaja Maldeniya
- Dimuthu Upeksha, Chamila Wijayarathna, Maduranga Siriwardena, Lahiru Lasandun
Thesis Title: *Sinmin - Sinhala Corpus Project*, 2015.
Co-advisors: Daya Chinthana Wimalasuriya, Gihan Dias
- Nadeeshaan Gunasinghe, Dulanga Sashika, Anushka De Silva, Thilina Premasiri
Thesis Title: *Warana: Recruitment Helper for Enterprises*, 2015.
Co-advisors: Amal Shehan Perera
- Indeewari Wijesiri, Malaka Gallage, Buddhika Gunathilaka, Madhuranga Lakjeewa
Thesis Title: *Sinhala WordNet*, 2014.
Co-advisors: Daya Chinthana Wimalasuriya, Gihan Dias, Rohini Paranavithana
- Chiran Chaturanga, Eranga Mapa, Lasitha Wattaladeniya, Samith Dassanayake
Thesis Title: *SELCHI: Travel Profiling*, 2014.
Co-advisors: Danaja Maldeniya
- Eranda Karannagoda, Thilina Herath, Jayaprabath Fernando, Isura Karunarathne
Thesis Title: *SigmaC: Document Analysis Based Automatic Concept Map Generation for Enterprises*, 2013.
Co-advisors: Amal Shehan Perera

PAPER REVIEW FOR JOURNALS AND CONFERENCES

- Journal on Data Semantics (JODS) [Journal]: 2020
- IEEE International Conference on Data Mining (ICDM): 2017, 2020
- Public Library of Science (PLOS) ONE [Journal]: 2016, 2017, 2018, 2020
- Moratuwa Engineering Research Conference (MERCon): April 2015, April 2016, May 2017, May 2018, July 2019, July 2020
- International Conference on Database and Expert Systems Applications (DEXA): September 2020
- IEEE International Conference On Machine Learning And Applications (ICMLA): December 2019, December 2017, December 2015
- Conference on Information and Knowledge Management (CIKM): November 2019
- International Joint Conference on Artificial Intelligence (IJCAI): August 2019
- ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD): August 2018, August 2019
- Association for the Advancement of Artificial Intelligence Conference (AAAI): January 2019
- Region 10 Humanitarian Technology Conference (R10 HTC): December 2018
- Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD): May 2015, September 2018
- International Conference on Tools with Artificial Intelligence (ICTAI): August 2016, November 2017
- IEEE International Conference on Data Science and Advanced Analytics (DSAA): October 2017
- International Workshop on Data Management and Analytics for Medicine and Healthcare (DMAH): September 2017
- Web-Age Information Management (WAIM): June 2016, June 2017
- Big Data Analytics and Knowledge Discovery (DaWak): September 2015, September 2016
- Asia Pacific Web Conference (APWeb): September 2016
- Vaccine and Drug Ontology Studies (VDOS): August 2016
- International Conference on Knowledge Discovery and Information Retrieval (KDIR): November 2015
- International Conference on Man-Machine Interactions (ICMMI): October 2015
- Biological Distributed Algorithms (BDA): August 2015
- International Symposium on Foundations of Open Source Intelligence and Security Informatics (FOSINT-SI): August 2015
- Technologies and Applications of Artificial Intelligence (TAAI): June 2015

AWARDS AND HONOURS

- Earned placement in the Deans List, Faculty of Engineering, University of Moratuwa, Sri Lanka: Semester 2 - Level 4 (GPA: 4.04) and Semester 1 - Level 4 (GPA: 3.87).
- Mahapola Scholarship to pursue undergraduate studies, awarded by the Government of Sri Lanka (2007-2011).
- General Certificate Exam Advanced Level, physical sciences stream, Sri Lanka. ZScore 2.2603, Common General Test 98% (2006).
- 2nd Runner up, International Speech Competition 2014, Division J, District 82, Toastmasters International
- Toastmaster of the Year 2013/14, Division J, District 82, Toastmasters International

INVITED TALKS AND OTHER PUBLIC COMMUNICATIONS

- **The Bad Take** podcast, Episode 18, *Demystifying AI*, 2019, <https://thebadtake.com/episode18/>
- **Colombo Machine Intelligence Meetup**, *Tower of Babel out of Rubble: Ontology Based Information Extraction*, 2016, <https://www.meetup.com/colombo-machine-intelligence/events/233555378/>

PROFESSIONAL ACTIVITIES

Teaching

- **Co-Lecturer and Grader**, CS4522: Advanced Algorithms, BSc Engineering (Hons) program, Department of Computer Science & Engineering, University of Moratuwa, Sri Lanka — 2014 (semester 7), 2013 (semester 7 & 8), 2012 (semester 8)
- **Co-Lecturer and Grader**, CS3202: Software Engineering Project, BSc Engineering (Hons) program, Department of Computer Science & Engineering, University of Moratuwa, Sri Lanka — 2014 (semester 5), 2013 (semester 5)
- **Lecturer, Course Coordinator and Grader**, CS2212: Programming challenge II, BSc Engineering (Hons) program, Department of Computer Science & Engineering, University of Moratuwa, Sri Lanka — 2014 (semester 4), 2013 (semester 4), 2012 (semester 4)
- **Lecturer, Course Coordinator and Grader**, CS2202: Programming challenge I, BSc Engineering (Hons) program, Department of Computer Science & Engineering, University of Moratuwa, Sri Lanka — 2014 (semester 3), 2013 (semester 3), 2012 (semester 3)
- **Lecturer, course coordinator and grader**, UFCEKG-20-2: Data, Schemas and Applications, BSc Engineering (Hons) program, Northshore College of Business and Technology, Colombo 15, Sri Lanka — 2014 (semester 3 & 4), 2013 (semester 3 & 4)
- **Co-Lecturer and Grader**, CS4622: Machine Learning, BSc Engineering (Hons) program, Department of Computer Science & Engineering, University of Moratuwa, Sri Lanka — 2013 (semester 7 & 8)
- **Co-Lecturer and Grader**, CS4742: Bioinformatics, BSc Engineering (Hons) program, Department of Computer Science & Engineering, University of Moratuwa, Sri Lanka — 2013 (semester 7 & 8)

Teaching Assistant

- **Graduate Teaching Fellow**, CIS 472/572: Machine Learning, Department of Computer and Information Science, University of Oregon, OR, USA. Under Dr. Daniel Lowd (Winter 2018, Winter 2020), Dr. Thien Huu Nguyen (Spring 2020), Dr. Humphrey Shi (Fall 2020)
- **Graduate Teaching Fellow**, CIS 110: Fluency With Information Technology, Department of Computer and Information Science, University of Oregon, OR, USA. Under Prof. Phil Colbert (Spring 2018, Spring 2017, Winter 2017).
- **Graduate Teaching Fellow**, CIS 111: Introduction to Web Programming, Department of Computer and Information Science, University of Oregon, OR, USA. Under Prof. Phil Colbert and Prof. Michael Hennessy (Fall 2016).
- **Graduate Teaching Fellow**, CIS 212: Computer Science III, Department of Computer and Information Science, University of Oregon, OR, USA. Under Dr. Eric D. Wills (Fall 2015, Fall 2014).
- **Graduate Teaching Fellow**, CIS 315: Intermediate Algorithms, Department of Computer and Information Science, University of Oregon, OR, USA. Under Dr. Christopher Wilson (Spring 2015).
- **Graduate Teaching Fellow**, CIS 330: C/C++ and UNIX, Department of Computer and Information Science, University of Oregon, OR, USA. Under Dr. Hank Childs (Spring 2015).
- **Graduate Teaching Fellow**, CIS 211: Computer Science II, Department of Computer and Information Science, University of Oregon, OR, USA. Under Dr. John Conery (Winter 2015).
- **Co-Lecturer, Junior Course Coordinator, and Grader**, CS3202: Software Engineering Project for semester 5, BSc Engineering (Hons) program, Department of Computer Science and Engineering, University of Moratuwa, Sri Lanka. Under Dr. Shahani Markus Weerawarana (2012).

- **Co-Lecturer and Project Grader**, CS4200: Advanced Database Systems for semester 5, BSc Engineering (Hons) program, Department of Computer Science and Engineering, University of Moratuwa, Sri Lanka. Under Dr. Amal Shehan Perera. (2012).
- **Co-Lecturer, Junior Course Coordinator, and Grader**, CS2212: Programming challenge II for semester 4, BSc Engineering (Hons) program, Department of Computer Science and Engineering, University of Moratuwa, Sri Lanka. Under Ms. Sulochana Sooriyaarachchi (2011).
- **Co-Lecturer, Junior Course Coordinator, and Grader**, CS2202: Programming challenge I for semester 3, BSc Engineering (Hons) program, Department of Computer Science and Engineering, University of Moratuwa, Sri Lanka. Under Ms. Sulochana Sooriyaarachchi (2011).

Research Assistant

- **Graduate Research Fellow**, Department of Computer and Information Science, University of Oregon, OR, USA. Under Dr. Dejing Dou (Spring 2019, Winter 2019, Fall 2018, Fall 2017, Summer 2017, Spring 2016, Winter 2016, Summer 2015).

Academia

- **Semester Coordinator**, Department of Computer Science and Engineering, University of Moratuwa, Sri Lanka — Batch 10 (Semester 07, 2014), Batch 09 (Semester 08, 2014 & Semester 07, 2013), Batch 08 (Semester 08, 2013 & Semester 07, 2012)
- **Staff Organizer**, CSE Careers day, Department of Computer Science and Engineering, University of Moratuwa, Sri Lanka (2013, 2012).
- **Staff Organizer**, annual CSE outbound event, Department of Computer Science and Engineering, University of Moratuwa, Sri Lanka (Exuberanz 2014, Resurgenz 2013).
- **Theme Committee Member**, Indifference 2009, annual CSE outbound event, Department of Computer Science and Engineering, University of Moratuwa, Sri Lanka (2009).

Other

- **Associate Member**, Institution of Engineers Sri Lanka (IESL) (2013 Oct — to date)
- **Immediate Past President**, Toastmasters Club 598998, Area 4, Division J, in District 82 (2014 July — 2015 June)
 - Advanced Leader Bronze Award — 2014 July
 - Advanced Communicator Bronze Award — 2014 September
- **President**, Toastmasters Club 598998, Area 4, Division J, in District 82 (2013 July — 2014 June) — Club Achieved Presidents Distinguished Club status
 - Competent Communicator Award — 2014 March
 - Competent Leader Award — 2014 May
- **Student Member**, Institution of Engineers Sri Lanka (IESL) (2011 — 2013 Oct)
- **Sargent-at-Arms**, Toastmasters Club 598998, Area 4, Division J, in District 82 (2012 July — 2013 June).
- **Senior Prefect**, Dharmasoka College, Ambalangoda, Sri Lanka, (2005-2006)
- **President**, Information Technology Society, Dharmasoka College, Ambalangoda, Sri Lanka (2004-2005)

PERSONAL INFORMATION

- Full Name : Naida Hewa Nisansa Dilushan de Silva
- Citizenship : Sri Lankan
- Communication Proficiency
 - English (excellent fluency)
 - Sinhala (excellent fluency)
- Interests and Skills
 - Linguistics
 - English and Sinhala literature
 - Western classical music
 - Public speaking
 - Philosophy, Religions, and Politics