

Thushan Vidushaka Ganegedara

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website: www.thushv.com and <https://medium.com/@thushv89>

Github: www.github.com/thushv89

Education and Qualifications

Mar 2015-Present PhD (Machine Learning, Deep Learning)
University of Sydney, Australia

Jul 2009- Feb 2014 BSc (Computer Science and Engineering) (Hons) (1st Class)
University of Moratuwa, Sri Lanka

Skills

Research Interests: Machine Learning, Deep Learning, Computer Vision, Natural Language Processing

Proficiency (Technical): Python, TensorFlow, Theano, HTML/CSS

Publications

March 2018 Authored the Book “**Natural Language Processing Applications with TensorFlow**”
Packt Publishing (Currently undergoing revision for publication)

Dec 2016 “Learning to Navigate with Growing Deep Networks”
Australian Conference on Robotics and Automation (ACRA 2017)
Thushan Ganegedara, Lionel Ott and Fabio Ramos

Aug 2016 “Online Adaptation of Deep Architectures with Reinforcement Learning”
European Conference on Artificial Intelligence (ECAI 2016)
Thushan Ganegedara, Lionel Ott and Fabio Ramos

Jul 2014 “Extending Dynamic SOMs to Capture Incremental Changes in Data”
International Joint Conference on Neural Networks (IJCNN 2014)
Thushan Ganegedara, Lasindu Pathirana, Ruwan Gunarathna, Buddhima Wijeweera, Amal Perera and Daminda Alahakoon

Career Summary

Feb 2018 – Present Chief Data Scientist, AssessThreat Pty Ltd, Australia

Responsibilities

- Working on the challenging task of using machine learning for assessing terrorism risk

Key Achievements

- Effectively leveraged exploratory data analysis techniques to investigate the feasibility of the task
- Successfully demonstrated the feasibility of using Bayesian machine learning tools for the task

Sep 2016 - Nov 2016 Tutor, INFO3406: Introduction to Data Analytics, University of Sydney

Responsibilities

- Conducted lab sessions and marked assignments and final exams

Feb 2015 - Sep 2015 Intern, Google Summer of Code 2015 (WSO2)

Responsibilities

- Implemented deep learning for [WSO2-ML](#); an open-source machine learning framework
- Understanding the existing codebase and adhering to company-specific coding practices
- Actively engaged with the mentor while prioritizing goals and tasks

Key Achievements

- Achieved 100% goal completion within the given time frame
- Gained in-depth knowledge in version control systems (i.e. Git)
- Highly commended by the mentor ([Nirmal Fernando](#)) at the completion of the project

Apr 2014 - Dec 2014 Associate Research Engineer, Zone24x7, Sri Lanka

Responsibilities

- Developed machine learning tools for assessing the feasibility of anomaly detection in retail data

May 2012 - Dec 2012 Trainee Software Engineer, 99x Technology, Sri Lanka

Responsibilities

- Developed mobile applications (Android and iOS) while collaborating the peer developers
- Communicated technical issues to superiors to resolve or mitigate them quickly
- Organized social events to strengthen the bonds between academia and the industry

Key Achievements

- Pitched and incubated an award-winning software produced by 99x Technology ([Televisionary](#))
- Earned excellent recommendation from the mentor ([Dileepa Jayathilake](#)) on [LinkedIn](#)

Feb 2012 - Sep 2012 Intern, Google Summer of Code 2012 (Benetech)

Responsibilities

- Implemented automatic publication download capability for [GO-Read](#); an accessible e-book reader
- Understanding the existing codebase to implement new capabilities to the existing product
- Collaborated and set up goals remotely with an overseas team of developers on a weekly-basis

Key Achievements

- Achieved 100% goals completion within the given time frame
- Earned excellent recommendation from the mentor ([Meghan Cowart](#)) on [LinkedIn](#)

Affiliations

2014 Project Manager, SL2College, Sri Lanka

2014 Promotional Coordinator, Gavel Club, University of Moratuwa, Sri Lanka

References are available on request
