
EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE

Singapore

Bachelor of Science with Honours (Data Science and Analytics)

Aug 2017 – Present

Expected graduation in 2021

Completed NUS University Town College Program - *multi-disciplinary seminar-style modules that encourage systems thinking and develop critical analysis and communication skills*

VICTORIA JUNIOR COLLEGE

Jan 2015 – Dec 2016

Completed GCE 'A' Levels

Completed Young Defense Scientist Program 2015 – *a research exposure program with NUS researchers*

COMPETITIONS

NUS DATA SCIENCE COMEPTETION 2018

Singapore

Finalist Team

Mar 2018

- Identified locations of rain gauges from the given data using linear regression
- Achieved correlation of 0.99 for successfully mapped locations

YOUTH ENTREPRENEURSHIP SYMPOSIUM 2016

Singapore

First Runner Up

Jun 2016

- Completed a 2-day workshop on entrepreneurship
- Pitched a travel app idea to improve cultural experience of tourists

PROJECT WORK

DISCRETE EVENT SIMULATOR

Singapore

Individual Project Work

Sep 2019 – Nov 2019

- Developing a Java program to perform the task of a discrete event simulator given an input of chronological timings

DATA SCIENCE PROJECT

Singapore

Group Project Work

Aug 2019 – Sep 2019

- Performed customer analysis to better understand purchasing behaviour in different types of stores in Thailand
- Considered possible strategies to boost sales and retain customers

MACHINE LEARNING PROJECT

Singapore

Group Project Work

Aug 2018 – Nov 2018

- Compared regression and neural network models to estimate number of footfalls for a location given the time and weather conditions
 - Used neural networks to classify busy/non-busy areas
 - Used embedding layers to improve model performance to above 70%
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WORK EXPERIENCE

SIBROS TECHNOLOGIES INC.

Software Engineering Intern

Singapore
Jan 2020 – Present

- Backend data management and cloud development

PIVOTAL YOUTH PRIVATE LIMITED

Freelance Facilitator

Singapore
Mar 2019 – Jan 2020

- Facilitates different leadership and self-development programs and camps for children and youths in schools
- Completed introductory facilitator training camp and a personal development course to understand and apply the interconnectedness of human body, emotion and language

AI SINGAPORE (AISG)

AI Technology Intern

Singapore
May 2019 – Aug 2019

- Explored unsupervised Topic Modelling methods to classify unlabeled documents and used python libraries for text analysis
- Attended AI Summer School which discussed recent high-end research developments in AI, machine learning and game theory to solve real-world problems

TERTIARY INFOTECH PTE LTD

Admin and Sales Assistant

Singapore
Mar 2017 – Jul 2017

- Handled logistics and purchases of robotics items
- Managed the concerns of customers and workshop trainers

ORGANISATIONAL AND COMMITTEE EXPERIENCE

NUS FACILITATORS

Facilitator

Singapore
Aug 2018 – Sep 2019

- Learning and practicing facilitation to successfully plan and execute workshops and activities in and beyond NUS

INNOVFEST UNBOUND 2018

Ambassador

Singapore
May 2018 – Jun 2018

- Networked with other ambassadors and start-ups
- Immediate contact of one of the speakers for the event
- Kept the speaker updated and connected him with other speakers

NUS RESIDENTIAL COLLEGE 4 FRESHMAN ORIENTATION CAMP 2018

Head of Welfare, Organizing committee member

Singapore
Feb 2018 – Aug 2018

- Sourced and shortlisted necessary vendors and negotiated for the best deals possible
- Managed the students' welfare and balanced their needs with the expectation of college professors

NATIONAL YOUTH ENVIROLYMPIC CHALLENGE 2016

Programs subcommittee member

Singapore
Feb 2016 – Jul 2016

- Planned and conducted a public forum and a nation-wide amazing race for secondary school students
- Trained and managed the volunteers
- Regularly collected e-waste from neighborhood households and used it to build a national record-breaking sculpture

LANGUAGE PROFICIENCY

- Professional in English
- Average in Tamil

SKILLS

Programming Languages

Python for Machine Learning and Natural Language Processing	Intermediate
R for statistical analysis	Intermediate
Java	Intermediate

Software

Anylogic	Basic
Gephi	Basic

RELEVANT COURSE WORK

Applied Data Science

Data Visualisation in R
Data Science in Practice

Mathematics and Statistics

High Dimensional Statistical Analysis
Computer Intensive Statistical Methods
Linear and Network Optimisation
Discrete Mathematics
Numerical Analysis
Linear Algebra
Simulation
Calculus

Computer Science

Programming Methodology in Python and Java
Data Structures and Algorithms
Introduction to Computer Networks
Machine Learning