SOORYA V R

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EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE (NUS)
Data Science and Analytics (Bsc Hons)
Expected graduation in 2021

Singapore
Aug 2017 – Present

- Completed NUS Overseas Colleges Silicon Valley Program – *entrepreneurial education alongside immersive work in startups over 12 months*
- Completed NUS University Town College Program - *multi-disciplinary seminar-style modules that encourage systems thinking*

VICTORIA JUNIOR COLLEGE
GCE 'A' Levels

Singapore
Jan 2015 – Dec 2016

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

COMPETITIONS

SGTech STUDENT TECHBLAZER 2020
Finalist Team

Singapore
Nov 2020

- Built end to end prototype of a remote monitoring system
- Pitched to a distinguished panel of judges from PwC, Enterprise Singapore, GovTech, ST Engineering and more

NUS DATA SCIENCE COMEPTETION 2018
Finalist Team

Singapore
Mar 2018

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

PROJECT WORK

MACHINE LEARNING WITH AUDIO
Research Project Work

Singapore
Aug 2020 – Jan 2021

- Built and trained an autoencoder model with TensorFlow to detect anomalies in audio signatures of mechanical equipment
- Improved accuracy of detection of dolphins by 4 times with VGGish neural network to classify marine sounds using spectrogram plots

BUSINESS ANALYSIS
Group Project Work

Singapore
Aug 2019 – Sep 2019

- Performed customer analysis to better understand purchasing behaviour and demographics in different types of drink stores in Thailand
- Suggested possible strategies to boost sales and retain customers for the various drink brands

PREDICTING CROWD DENSITY
Group Project Work

Singapore
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%

• **WORK EXPERIENCE**	

SEVENTH SENSE AI
Quality Assurance and Data Engineering Intern

Singapore
Apr 2020 – Dec 2020

- Automated data cleaning process with python scripts
- Evaluated performance of facial recognition models
- Prepared datasets for training and testing
- Performed integration testing of products
- Wrote automated frontend tests with protractor

SIBROS TECHNOLOGIES INC
Software Engineering Intern

San Francisco Bay Area
Jan 2020 – Mar 2020

- Contributed to backend development and testing of APIs using python Flask, Google Cloud and Firestore
- Wrote python scripts to simulate firmware behavior to test cloud and dashboard functionality
- Made basic swagger documentation for existing APIs
- Performed data analytics for marketing team with python scripts

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

• **ORGANISATIONAL AND COMMITTEE EXPERIENCE**	

INNOVFEST UNBOUND 2018
Ambassador

Singapore
May 2018 – Jun 2018

- Anchor event of Smart Nation Innovations, which showcases Asia's most innovative developments in the media-tech sphere
- Immediate contact of one of the speakers for the event
- Networked with other ambassadors and start-ups

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