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SOORYA VR

Hi, I am a Data Science and Analytics Undergraduate at National University of Singapore, looking for a relevant internship in the Bay Area. My biggest asset is my attitude to strive. I learn fast on the job and I am enthusiastic about picking up a new skill as I enjoy the feeling of understanding something. In my previous internship with AI Singapore, I was tasked to document the current approaches taken to classify unlabelled documents to set the stage for developing a search engine for AI researchers in Singapore. Despite it being a current field of research and not having any experience with natural language processing, I was able to decipher the previous developer's code and attempt other unsupervised methods such as clustering while reading up relevant research papers. You will find me to be diligent, responsible, friendly and motivated. I am driven to give my best as an intern for the learning and development that I cannot gain otherwise.

When I am taking a break, you will find me listening to podcasts, playing the Indian bamboo flute or facilitating programs. I also like to explore natural environments whenever possible.

What I am looking for?

After my time at AI Singapore, I have a keen interest in multi-agent systems. As an example: how can we optimise the taxi allocation problem where there are multiple parties involved with different objectives, limited by time, space and resources? Applications of blockchain is another interest I hope to explore. However, I understand that it will take time to develop the relevant expertise. Ideally, I am looking forward to internships that allow me to delve deeper into these fields yet, I am open to any enriching learning opportunities available in start-ups as well.

What I can do for you?

I can draw practical insights from data in an intuitive manner. I have good understanding of standard machine learning algorithms that can help translate insights into meaningful business solutions. I also have 2 years of programming experience which I can leverage on to pick up new skills in software development. I am excited and curious to find out how I can contribute to your company, so do contact me!

EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE

Bachelor of Science with Honours (Data Science and Analytics)

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

Singapore
Aug 2017 – Present

VICTORIA JUNIOR COLLEGE

Completed GCE 'A' Levels

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

Jan 2015 – Dec 2016

COMPETITIONS

NUS DATA SCIENCE COMEPTETION 2018

Finalist Team

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

Singapore
Mar 2018

YOUTH ENTREPRENEURSHIP SYMPOSIUM 2016

First Runner Up

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

Singapore
Jun 2016

PROJECT WORK

DISCRETE EVENT SIMULATOR

Individual Project Work

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

Singapore
On-going coursework

DATA SCIENCE PROJECT

Group Project Work

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

Singapore
Aug 2019 – Sep 2019

MACHINE LEARNING PROJECT

Group Project Work

- Pre-processed data to perform supervised machine learning
- Explored regression algorithms to estimate number of footfalls for a location given the time and weather conditions
- Experimented with Neural Networks and embedding layers to improve model performance

Singapore
Aug 2018 – Nov 2018

WORK EXPERIENCE

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

PIVOTAL YOUTH PRIVATE LIMITED

Freelance Facilitator

Singapore
Mar 2019 – Present

- 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

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
- Met inspiring trainers and delved deeper into the tech world

ORGANISATIONAL AND COMMITTEE EXPERIENCE

NUS FACILITATORS

Facilitator

Singapore
Aug 2018 – Present

- 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
MATLAB	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
Machine Learning
Computer Networks