Hari Krishna **Vetharenian**

#02-05, 47 Hindhede Walk, Singapore 587977

(+65) 98739321 | harik@u.nus.edu | harikv.github.io | harikv

Work Experience

Lee Kuan Yew School of Public Policy *Singapore*

RESEARCH ASSISTANT *Mar. 2020 - Present*

- Worked on gathering and aggregating US COVID-19 pandemic data related to hospitalisation as well as mortality with Professor Sonia Akter
- Worked on literature review as well as analysing geo-spatial data on the 2015 South India Floods with Professor Zheng Huanhuan
- Worked on an exploratory project that attempted to analyse differences in Artificial Intelligence strategies amongst various European countries using Natural Language Processing (NLP) and Unsupervised learning methods like topic modelling with Professor Mehmet Akif Demircioglu

Semantics3 *Singapore/India*

BACKEND ENGINEER *Feb. 2016 - Jun. 2019*

- Responsible for managing and improving the **primary Extract-Transform-Load (ETL) pipelines** of the company.
- Led the migration of critical backend **Elasticsearch and PostgreSQL** infrastructure and was involved in subsequent performance tuning.
- Managed several client specific data pipelines which involved web crawling at scale.

Ubersnap *Singapore*

FOUNDING ENGINEER *May 2015 - Jan. 2016*

- Built and deployed the **API backend** of the Ubersnap iOS app using the Python Django framework.

Hagglr *Singapore*

INTERN *May 2013 - Jun. 2014*

- Built the payment systems for the company using integrations with PayPal APIs that also involved workflows for delayed payment monitoring.
- Part of the **NUS Overseas Colleges' iLead Programme** which entails a full-time internship and a 2 week overseas study mission.

Education

Lee Kuan Yew School of Public Policy, NUS *Singapore*

MASTER IN PUBLIC POLICY *Jul. 2019 - Jun. 2021*

- Specialization in **Economics and Development**
- Among the students selected to represent the school at the Global Public Policy Network (GPPN) Conference 2020 with a presentation on 'Addressing Inequalities in Agriculture using Online Trading Platforms.'
- Teaching Assistant for PP5801 - Economic Analysis (Semester 1, AY2020/21)

National University of Singapore *Singapore*

B.ENG. IN COMPUTER ENGINEERING (NUS) *Jul. 2011 - Jun. 2015*

- Minor in **Technopreneurship**
- Awarded the SIA-NOL Undergraduate Scholarship

Young Leaders for Active Citizenship *Bangalore, India*

POLICY IN ACTION PROGRAM FELLOW *Feb. 2019 - Mar. 2019*

- Month long programme focussed on developing policy analysis skills that culminated in presenting a policy brief on 'State of policies and funds allocated for irrigation projects in Telangana' to K. Kavitha, Member of Parliament (Lok Sabha)

Skills

Proficient with: Python, JavaScript, Perl, R, Stata, LaTeX, SQL, MS Excel

Frameworks used: Node.js, Express, Django, Flask, REST API