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**EDUCATION**

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**MSc Applied Social Data Science**

Sep 2020 - Sep 2021

*Department of Methodology, London School of Economics and Political Science**London, UK*

- **Coursework:** Applied Regression Analysis, Causal Inference for Observational and Experimental Studies, Machine Learning, Natural Language Processing, Social Research Methods, Managing and Visualizing Data
- **Dissertation - “We don’t talk *Anymore?*”:** Utilised topic models and social network analysis to explore the themes and participants of cross cutting political discourse on Reddit.
- **“For God’s Sake”:** Utilised unsupervised learning algorithms and sentiment analysis to analyse trends across cross-national debates on blasphemy on Twitter.
- **Personal Attack Detection:** Trained an ensemble of support vector machines, naive bayes models and logistic regression to detect personal attacks, achieving a F1-score of 70%.

**BSc (Hons) Information Technology**

Jul 2010 - Jan 2015

*Faculty of Information Technology, University of Moratuwa**Moratuwa, Sri Lanka*

- **GPA:** 3.92/4.2, First Class Honours
- **Awards:** Gold Medal for Academic Excellence (*Highest cumulative GPA from a class of 100*)
- **Relevant Coursework:** Probability and Statistics, Data Structures and Algorithms, Linear Algebra

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**PROFESSIONAL EXPERIENCE**

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**Data Analyst/Project Manager - Hate Speech**

Mar 2019 - Sep 2020

*Facebook**Dublin, Ireland*

- **Operations Analysis:** Analysed large datasets to deliver key business insights to refine classifier performance and inform location strategy.
- **Reporting:** Prepared weekly reports on operational metrics and recommendations for senior leadership and non-technical audience.
- **Dashboard Development:** Implemented and maintained the data pipelines and dashboards for the designation of abusive keywords and analysing labelling experiments.
- **Policy Refinement:** Refined key segments of the hate speech policy language through analyzing trends in quantitative data and conducting focus groups with market experts.
- **Data-Driven Policy Development:** Achieved a 2% improvement of the hate speech accuracy metric in H2 2019 through cross-functional projects in policy refinement and process improvement.
- **Project Management:** Led a cross-functional team of 5 to improve vendor performance metrics.

**Market Specialist - Sri Lanka**

May 2016 - Feb 2019

*Facebook**Hyderabad, India/Dublin, Ireland*

- **Data Reporting and Automation:** Ideated and collaborated with technical partners to automate the process for workflow creation, reducing execution time from 16 hours to 20 minutes.
- **Market Operations:** Owned the end-to-end launch of vendor support for Sri Lanka, including operational ownership, policy guidance, quality measurement and onsite training.
- **Market Expertise:** Provided expertise on the socio-political landscape of Sri Lanka in the efforts to curb ethnic tension and misinformation in the country.

**Software Engineer**

Jan 2015 - Dec 2015

*Virtusa**Colombo, Sri Lanka*

- **Web Development:** Developed the front-end web interface and data retrieval for a web-based application for security investigations).
- **Automated Testing:** Automated quality testing to ensure functional correctness of web components and optimal user experience.

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**RESEARCH EXPERIENCE**

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**Research Assistant - Data Science**

Dec 2020 - Present

*Center for Care Policy and Evaluation, London School of Economics and Political Science**London, UK*

- **Assessment of COVID-19 policy responses for Adult Social Care:** Analysed large datasets from multiple sources to uncover trends in supply-demand matching for local authorities in the United Kingdom.
- **Assessment of post-pandemic financial sustainability:** Developed reports to inform long-term sustainability of care home providers.

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**SKILLS**

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R, SQL, Python, Spark, Git, Tableau, HTML, CSS