

# MELVIN PERERA

## About

I am an inquisitive soul with a unceasing thirst for knowledge. After graduating from university, I began to pivot towards a career in Data Science and Analytics, particularly in the field of Artificial Intelligence. I am a techie ready to launch myself into the deep end and am determined to make a difference.

During my spare time, I am either on my guitar or trawling through some wikipedia black hole of sorts seeking out random information on offbeat topics.

## Skills

Machine Learning	Python
Deep Learning	MATLAB
Web Scraping	C
Statistical Analysis	SQL
Data Analysis	HTML
Cloud Computing	Bash

## Contact

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## Education

### General Assembly

*Data Science Immersive, Singapore*

Graduated from a 12-week long intensive bootcamp which gave me extensive experience in core data science concepts and applying them in various projects. My capstone project involved using deep learning methods to analyse and classify spectrograms of audio files.

2017

### Imperial College London

*MEng Aeronautical Engineering, London*

Graduated with a Second Class Honours (Upper). Aside from Engineering modules, I also did Entrepreneurship, Philosophy and French electives. My Final-Year Thesis was a computational project predicting the supersonic propagation of aerodynamically generated sound.

2012–2016



## Experience

### Analytix Online

*Consultant, Singapore*

Worked part-time as a consultant for an early-stage startup. Performed a need-gap analysis on potential clients seeking to employ NLP models to monitor and analyse media streams. Also crafted pitch deck templates and product demos for clients.

2017

### LoganAir

*Engineering Intern, Glasgow*

Attached to the Engineering Division and rotated around several departments throughout the course of the internship. Involved in the analysis and assessment of component reliability of aircraft in the fleet. Identified faulty components using trend analysis on component history and data.

2015

### Singapore Airlines

*Aircraft Performance Intern, Singapore*

Attached to the Engineering Division and performed a study on assigning an alternative take-off weight for A380 aircraft. Performed data wrangling and analysis of flight histories with a linear regression model to optimise the take-off weight for different routes.

2014

### Kenyan Orphan Project

*Volunteer, Kenya*

Co-operated extensively with organisations providing for feeding centres and orphanages in Kisumu, Kenya, and held fundraisers throughout the academic year at university. This culminated in a month-long volunteering mission to Kenya.

2012