



Varsha Ramkumar

BUSINESS ANALYTICS UNDERGRADUATE

Year 3 NUS School of Computing

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Education

NUS High School Of Math and Science
NUS High School Diploma 2015 - 2020
Majored in Math, Biology & Chemistry

Skills

Firebase	(Proficient)
Java	(Proficient)
MS Excel.	(Proficient)
Tableau	(Proficient)
Python	(Proficient)
JavaScript	(Intermediate)
HTML	(Intermediate)
R Studio	(Intermediate)
SQL	(Intermediate)
React	(Intermediate)
CSS	(Novice)
MongoDB	(Novice)

Relevant Modules

Data Visualisation A-
Business and Technical Communication A-

Languages

English (Professional Proficiency)
Tamil (Professional Proficiency)

Project Experience

ORBITAL – Independent Software Development Project

April 2022 - Aug 2022

- Designed an app for independent tutor tutee matching based on own preferences
- Features:** Notifications, Chat Function, Dual Interface for both roles to use the same app, User autonomy to choose tutor/tutee
- Frontend:** React, Expo **Backend:** Firebase, JavaScript, HTML
- Integrated good software engineering testing and documentation using Github
- Github repo: <https://github.com/koh-zhe-wei/BrainWaves.git>
- Awarded the Apollo 11 (Advanced) certification

Work Experience

Software Engineer Intern - Knowron (Munich, Germany)

NUS Overseas Colleges

Jul 2023 - Dec 2023

- Worked at an AI and NLP based German startup
- Optimized frontend codebase in React.js, Tailwind, and Next.js through refactoring, ensuring responsive design and performance.
- Improved backend reliability with 50% code coverage through comprehensive unit testing in Next.js, JavaScript, and Python, minimizing production issues and ensuring code quality.

Data Analyst Intern - PSD, Prime Ministers Office

Sep 2022 - Nov 2022

- Accelerated data analysis to identify break points of usage of Workday - a software implemented across several Statutory Boards
- Expanded to develop, build & grow depth and ultimately improve user experience
- Information was visualised using Tableau and Excel

Audit Intern - Grant Thornton

Jan 2021 - June 2021

- Executed and delivered high quality statutory audits to over 20 clients
- Managed clients and stakeholders independently
- Analysed and prepared audit documentation for corporate governance and financial reporting in accordance with applicable regulatory frameworks

Research and Data Analyst Intern - Temasek Life Sciences Lab

Mar 2019 - Jan 2020

- Automated a robotic fluid handling system to enable the repeatable and consistent execution of over 500 pipetting operations
- Awarded Gold at Singapore Science and Engineering Fair 2020 (SSEF)
- Findings are published as a paper

Leadership

NUS Women in Tech

- Member

NUS Computing Club

- Executive Committee (External Relations - Marketing)
- Freshmen Orientation Week Secretary
- Vice Project Director

NUS High School

- Orientation Chairperson
- Students Council, House Committee
- Project Sugar (Non-Profit) Chairperson