

# Sagnick Sarkar

✉ [ssar0011@student.monash.edu](mailto:ssar0011@student.monash.edu) | [in sagnicksarkar](https://www.linkedin.com/in/sagnicksarkar) | [github ssar0011](https://github.com/ssar0011) | ☎ (+61) 400 993 915

## Professional Summary

Tenacious undergraduate student who demonstrates strong academic results in Mathematical Statistics and Computer Science at Monash University, is passionate about assisting others through technology and thrives in a fast paced environment as demonstrated from completing numerous challenging projects. Also possesses profound communication skills and an innate ability to collaborate with diverse teams from managing the mathematics department of North Shore Coaching College. Seeking to work as an Intern at Suncorp where a desire for learning new skills, and a love for building relationships can contribute towards building a sustainable and responsible financial services Group that will help customers, shareholders and communities to prosper.

## Education

### Monash University

BSc/BCompSci: Mathematical Statistics and Data Science

Clayton

EXPECTED IN JUNE 2022

- IBL Scholarship
- Distinction Average

### John Monash Science School

Victorian Certificate of Education (VCE)

Clayton

Jan 2015 - Dec 2017

- ATAR: 90+

## Experience

### DevOps Intern

InfoCentric

Jan 2021 – Present

Melbourne, VIC

InfoCentric is the largest privately-owned cloud, data and analytics consulting firms in Australia with a vision to empower organisations to improve and transform their business.

- Extensive work with CI/CD pipelines to push changes on Git repository.
- Engaged actively in learning sessions with various members of the team and organisation and looked for ways to improve.
- Gained experience in deploying Docker containers, on ECS clusters, running Lambda functions and retrieving files from S3 buckets on AWS.

### Senior Mathematics Tutor

North Shore Coaching College

Jan 2017 – Present

Berwick, VIC

Sydney based educational service for students at the age of 3 to 18 years old. With over 65 campuses across Australia, North Shore Coaching College continues to work towards fostering each child's potential through a range of educational programs and activities.

- Promoted to Senior Tutor as a result of showing customer obsession at work and insisting on the highest standards, thus earning and sustaining the trust of over 50 clients.
- Effectively communicated central concepts in mathematics by applying excellent presentation skills and innovative solutions to traditional teaching methods, thus enabling students to achieve outstanding academic results with over 70% scholarship admission rates.

- Fostered high performance in others by ensuring that all team members impact was felt within the organisation through taking the initiative to empower them to convey their thoughts and perspectives to clients and management inspiring colleagues to embrace leadership qualities in their respective roles and responsibilities.
- Displayed strong values of inclusivity and leadership through offering guidance and establishing shared goals with new employees and working on ways to achieve them together, resulting in a collaborative and inspiring working environment.

## Coding Projects

### IoT Smart City Capacitated Vehicle Routing Project | *Python*

This was in contribution towards an IoT smart city project conducted by RMIT University in Mornington Peninsula Shire. Developed a routing algorithm for garbage collection through analysis and processing of data by applying acquired understanding in networking.

- Employed excellent analytical thinking skills through examining the problem from all angles and challenging processes resulting in effective completion of algorithm.

### Relational Database Application for Non-Profit Organisation | *SQL, HTML, CSS, JavaScript*

Assisted a Senior Developer in creating an application to track and manage enrolment information for courses offered by the organisation.

- Employed excellent analytical thinking skills through examining the problem from all angles and challenging processes resulting in effective completion of algorithm.

## Extracurriculars

### **Volunteer**

Jan 2018 – present

*Brahma Kumaris Spiritual University*

Brahma Kumaris is a worldwide spiritual movement dedicated towards personal transformation with a commitment with regard to enabling individuals to incorporate gratitude, self-love and peace into their daily lives and routine.

- Regularly attended weekly spiritual sessions, learning about effective ways of integrating empathy, gratitude and service in order to earn trust and respect from others.
- Assisted in the setup of weekend retreats and cultural events, fostering valuable communal relationships with hundreds of people and gained incredible insights into various cultures and the importance of diversity.
- Played a significant role in shaping an inclusive culture through self-reflection and addressing the unconscious biases that may arise within normal interactions and conversations.

## Skills

- |  |   |
|--|---|
| • Back-End (Python, Rails, MVC, Docker)        | • AWS (S3, ECS, EC2, Lambda, OpsWorks)    |
| • Data Analysis (R, Pandas, Matplotlib, NumPy) | • CI/CD Pipelines (GitLab)                |
| • Front-End (React, HTML, CSS, JavaScript)     | • Databases (SQL)                         |
| • Testing (Jest, Enzyme, rspec)                | • Data Visualisation (Tableau, Vega-Lite) |

## Referees

Provided upon request