

SAMAY SAGAR

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Singapore · Looking for internships between Jan '23 - Nov '23

WORK EXPERIENCE

Ryde Technologies Pte Ltd. | *Full Stack Software Engineer Intern* | December 2021 - July 2022

(Ryde is a ride-hailing service in Singapore that also provides on-demand courier service along with carpooling)

- Built a location tracking web view using Vue.js, Firebase, and Socket.io to provide real-time status updates of an ongoing trip to anyone using it. Used by 50k+ users monthly.
- Implemented APIs for their Control Management System (CMS) for the creation, storage, and analysis of customer data using MongoDB, MySQL, and Node.js.
- Developed new front-end features for their on-demand service web portal that enables merchants to upload CSV to create orders and generate business statements.
- Improved communication and teamwork skills while working in a team with diverse employees.

National University of Singapore | *Undergraduate Teaching Assistant* | July 2021 - May 2022

- CS2102 Database Systems (Spring 2022): Tutored 40 students in designing and implementing Database Systems using PostgreSQL.
- CS1101S Programming Methodology (Fall 2021): Mentored 10 freshmen in building core concepts in functional programming following the SICP textbook.

EDUCATION AND CERTIFICATIONS

National University of Singapore | *Bachelor of Computing (Honours) in Computer Science* | Grad May'24.

- Focus area in Artificial Intelligence, Second Minor in Statistics, and University Scholars' Programme (USP).
- Recipient of the NUS Science and Tech Merit Scholarship, a freshman scholarship offered to support outstanding Asian students (except Singapore citizens).
- Relevant Coursework: Database Systems and its implementation, Software Engineering Principles, A.I. and Machine Learning, Natural Language Processing, Big Data Systems for Data Science.

TECHNICAL SKILLS

Programming Languages: Python | JavaScript / TypeScript | C++ | Java | Swift

UI / UX Design: HTML | CSS | Bootstrap | InVision

Frontend: Vue.js | Ionic | ReactJS | Redux

Backend: PostgreSQL | MySQL | MongoDB | Node.js | Firebase | AWS | Hadoop

Version Control / Testing: Git | GitHub | CI/CD | JUnit | PlantUML

Mobile Development: Flutter | Swift | XCode | Android Studio

Data Science: Pandas | Tensorflow | Numpy

PERSONAL PROJECTS

AnyTutor

- Website that can convert an audio or text file into a deep fake video with an AI Avatar.
- Built the Front-end Website using React and implemented video editing features through OpenCV

Modracing

- Website that implements a minigame to NUSMods, a module planner and a knowledge bank.
- Implemented the search algorithm on Backend using Data Structures and Python.

CO-CURRICULAR

NUS University Scholars Programme (USP) | *Sports Director* | September 2021 - September 2022

- Organised Inter-College Games 2022 for 3000+ participants and hosted multiple sports events for 500+ USP students.

Connect Tuition | *Executive Committee* | May 2021 - May 2022

- Hosted children aged 10 to 16 from the nearby residential areas for weekly dinners and arranged 1-1 tutoring sessions with student mentors.