

SAMAY SAGAR

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| Singapore | Fresh Graduate Software Engineer July 2024

EDUCATION

National University of Singapore **May 2020 - May 2024**

Bachelor of Computing in Computer Science

- Focus area in Database Systems and AI, and University Scholars' Programme (USP).
- Recipient of the NUS Science and Tech Merit Scholarship.
- Relevant Coursework: Database Systems and its implementation, Software Engineering Principles, AI and Machine Learning, Natural Language Processing, Big Data Systems for Data Science.

NUS Overseas College Paris

Jan 2023 - Jul 2023

- Took entrepreneurship-related courses at PSL Research University through NUS Overseas Colleges.

EXPERIENCE

Chief Technology Officer, Astreva, Paris, France

Feb 2023 - Jul 2023

- Led a team of 4 developers, setting sprint tasks and overseeing project progress.
- Designed and developed backend architecture and AI Algorithm using Node.js, PostgreSQL and Python to efficiently source 500 candidates for each job request.

Full Stack Software Engineer Intern, Ryde, Singapore

Dec 2021 - Jul 2022

- Built a real-time location-tracking web view using Vue.js, Firebase, and Socket.io, servicing 50k+ users monthly, providing seamless updates during ongoing trips.
- Implemented APIs for the Control Management System (CMS) utilising MongoDB, MySQL, and Node.js to enable efficient creation, storage, and analysis of 100k+ customer data.

Undergraduate Teaching Assistant, National University of Singapore, Singapore

Jul 2021 - May 2022

- Tutored 40 students in designing and executing Database Systems using PostgreSQL (Spring 2022) and mentored 10 freshmen in building core concepts in functional programming (Fall 2021 & 2023).

TECHNICAL SKILLS

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- Frontend: HTML, CSS, Bootstrap, Vue.js, Ionic, ReactJS, Redux, JavaScript / TypeScript, C++, Java
 - Backend: PostgreSQL, MySQL, MongoDB, Node.js, Firebase, AWS, Hadoop, Python
 - Mobile Development: Swift, Flutter, XCode, Android Studio

PROJECTS

AnyTutor

- Launched a website facilitating deep fake video creation with an AI Avatar by processing audio and text files, earning acclaim from 5-10 educational content creators.

ModRacing

- Attained recognition at NUS Hack&Roll 2021 by crafting an engaging mini game integrated with NUSMods, applying data structures and Python search algorithms to optimise performance.

CO-CURRICULAR ACTIVITIES

Sports Director, NUS University Scholars Program (USP), Singapore

Sep 2021 - Sep 2022

- Organised Inter-College Games 2022 for 3000+ participants and 500+ USP students.

Executive Committee, Connect Tuition, Singapore

May 2021 - May 2022

- Volunteered to host children from nearby residential areas and arranged 1-1 tutoring sessions weekly.