

RENUKA RAMALINGAM

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EDUCATION

Bachelor of Science with Honors in Computing Science

Singapore Institute of Technology | September 2022 – Current

- Expected Graduation April 2025

Diploma in Multimedia and Infocomm Technology

Nanyang Polytechnic | April 2019 – April 2022

- Specialisation in Software and Applications

Polytechnic Foundation Programme

Nanyang Polytechnic | April 2018 – April 2019

GCE N Level Examinations

CHIJ Secondary | January 2014 - December 2017

WORK EXPERIENCES

Digital Intern

Alstom

September 2024 – Present

- Developed a web application for data collection and operational efficiency, utilizing NextJS, TypeScript, React Query, Tailwind CSS, Shadcn, and Vite.
- Implemented the adoption of advanced full-stack practices, integrating real-time robot video feeds and enhancing system responsiveness with Shadow DOM and Vite.
- Led the design and iteration of user personas, user stories, and wireframes, significantly improving usability and user experience in close collaboration with UX designers and technical teams.
- Managed the integration of new technologies, boosting application scalability and performance during client demos.
- Collaborated with cross-functional teams to align technical solutions with business objectives.

Data Analyst Intern

NCS Pte Ltd

March 2021 - August 2021

- Showcased adeptness in software testing, encompassing tasks ranging from meticulous data preparation, visualization, and cleaning to thorough testing procedures, guaranteeing the integrity and reliability of data.
- Spearheaded the development and maintenance of robust data queries and pipelines utilizing SQL, ensuring optimized data retrieval, and processing.

- Collaborated closely on pivotal data architecture engineering decisions, contributing to the foundation supporting advanced analytics initiatives.
 - Played a key role in cross-functional teams, partnering with project managers and technical leads to derive actionable insights. Utilized statistical analysis to provide comprehensive statistics.
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ACHIEVEMENTS

Code Olympics 2023

March 2023

Second Prize

Director's List

Nanyang Polytechnic

Year 1 Semester 2 | Year 2 Semester 1 | Year 3 Semester 1

SEG Innovation Award

October 2020

Bronze Award

Star Awards – The Communicators

April 2019 – April 2020

CO-CURRICULAR ACTIVITIES

Computing Science Student Management Committee 2023 – Singapore Institute of Technology

- Organized and executed diverse events for the student body.
- Created engaging content for the course's social media platforms.

The Communicators – Nanyang Polytechnic

- Planned and executed events for the students of the club.
 - Created content for Nanyang Polytechnic's social media platforms.
 - Hosted multiple official Nanyang Polytechnic events.
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SKILLS

- Proficient in programming languages such as C/C++, HTML/CSS, Python, SQL, JavaScript, jQuery and Java.
 - Adeptness in Tableau, MS Applications, UX/UI Design, SQL/NoSQL databases and other software.
 - Possess strong analytical and problem-solving capabilities, complemented by excellent organizational skills, adept teamwork, effective communication, leadership abilities, and high proficiency in public speaking.
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Portfolio Link: <https://renuka001.netlify.app/>