

EDUCATION

National University of Singapore (NUS)

Aug 2022 - Present

Bachelor of Computing in Computer Science - Honours

- Artificial Intelligence and Software Engineering Focus Areas.
- Second Major in Quantitative Finance.

Global Indian International School(GIIS)

Apr 2018 - May 2020

IB Diploma

- Subject Proficiency Awards in 5 out of 7 subjects in IB Diploma (2020) and Academic Proficiency Award (2020).
- Global Citizen Scholarship Recipient (2018-20).
- SOF National Science Olympiad, National Cyber Olympiad, Silverzone International Olympiad of Math and International Informatics Olympiad Gold Medal (2018).

WORK EXPERIENCE

Spot Future Technologies

May 2023 - Aug 2023

Backend Developer Intern

- Acquired experience in Java Backend Development such as Servlets and SpringBoot.
- Developed **APIs** using NodeJS and MongoDB for DijoMatrix, their flagship low-code platform for building business Applications.
- Worked on transition from outdated SQL Database to NoSQL database using MongoDB improving **scalability**.
- Gained experience in working in a lean and efficient start-up team.

Raffles Hall Developers

Aug 2022 - Apr 2024

Backend Lead

- Started my journey as Junior Frontend Developer on the Raffles Hall App, excelling in **bug fixing** to enhance project stability and performance within large teams.
- **Organized** a Programming Workshop and Inter-Hall Hackathon, fostering collaborative learning and innovation.
- Currently steering the development of an Automatic Internship Application software, showcasing **leadership** in innovative **project management** and execution.

PROJECTS

Hoopify

- Developed a **cross-platform mobile app** using React Native with Flask for the backend.
- Integrated OpenCV and YoloV8 model for **computer vision** to analyze user-uploaded basketball videos and provide shooting performance analytics, including specific data for different court areas, a leader board system and tracking across multiple workout sessions.
- Utilized Firebase and GCP for storage and deployment.

Hang

- Developed a **web app** using React with NodeJS for the backend.
- Built a recommendation engine that leverages user profiles to curate activities and food options for users catered to their likings.
- Utilized Yelp API for data and MongoDB as a DBMS.

CareerSync

- Engineered an Internship Management application for users who prefer a CLI.
- Focused on good programming practices (CI/CD workflow using Github Actions, automated testing using Junit).
- Utilized Java and JavaFX for the GUI.

SKILLS

Programming Languages

Python, Java, C, JavaScript

Web Development

React, React Native, JavaScript, TypeScript, HTML, CSS, Flask, NodeJS

Database & Deployment

PostgreSQL, MongoDB, Firebase, GCP, Git, Github, ExpoGo

Machine Learning/AI

OpenCV, PyTorch, NumPy, Pandas, YoloV8

Planning Committees

Alumni Affairs, Culture, Sports Management, Bash and Block Committee