

## EDUCATION

<b>Nanyang Technological University, Singapore</b> <b>Bachelor of Engineering (Computer Science)</b> <ul style="list-style-type: none"><li>Relevant courses: Advanced Software Engineering, Net Centric Computing, Introduction to Data Science and AI, OS.</li></ul>	Aug 2020 – May 2024
<b>DPS Modern Indian School, Qatar (CBSE Curriculum)</b>	Apr 2016 – Mar 2020

## WORK EXPERIENCE

<b>VFlowTech Pte. Ltd.</b> <b>IoT Intern</b> <ul style="list-style-type: none"><li>Reviewed MADS IoT platform and coordinated with developers to debug issues to improve user experience.</li><li>Programmed firmware on Raspberry PI/Advantech using C++ with Modbus and HTTP/MQTT protocols.</li><li>Evaluated and tested AWS, Google Cloud, Azure and Digital Ocean services for IoT platform development.</li><li>Spearheaded IoT Development team for creating a new platform using MERN stack.</li><li>Programmed cloud servers using AWS EC2 and Digital Ocean Droplet.</li><li>Engineered configuration of DNS and NGINX web servers along with TLS encryption.</li><li>Studied IoT data to design predictive alerts for implementation of machine learning algorithms.</li></ul>	May 2022 – Aug 2022
<b>Mentogram</b> <b>Business Analyst Intern</b> <ul style="list-style-type: none"><li>Examined coaching market to devise new strategy for growth and sales.</li><li>Designed value proposition canvas and sales pitch by identifying pain points, goals and solutions to problems faced by coaching industry.</li></ul>	May 2021 – Aug 2021

## ACADEMIC PROJECTS

<b>CZ3002 – PreSchool GoWhere</b> <ul style="list-style-type: none"><li>Developed a web application to help parents find preschools based on various criteria like distance, 2<sup>nd</sup> languages offered, meal preferences, transport facility, etc.</li><li>Used PostgreSQL, Express, React, Node.js (PERN stack).</li><li>Hosted on Firebase and Render</li></ul>	Aug 2022 – Nov 2022
<b>CZ2006 – MyBikeSG, NTU</b> <ul style="list-style-type: none"><li>Pioneered a web application to help cyclists find Bike Racks, Flat Routes, and Repair Shops close to current location or destination.</li><li>Created using MongoDB, Express, React, and Node.js (MERN stack)</li><li>Hosted application on Firebase (<a href="https://mybikesg-86ea4.web.app">mybikesg-86ea4.web.app</a>) and Heroku.</li></ul>	Feb 2022 – Apr 2022
<b>CZ2002 - Restaurant Reservation System, NTU</b> <ul style="list-style-type: none"><li>Developed a restaurant point of sale system as a command line application in Java.</li><li>Utilized object-oriented programming concepts to build a flexible application.</li><li>Modelled a reservation system using UML class and sequence diagrams.</li></ul>	Oct 2021 – Nov 2021
<b>CE1115 - Introduction to Data Science and Artificial Intelligence, NTU</b> <ul style="list-style-type: none"><li>Analysed the Brazilian e-commerce public dataset by Olist on Kaggle.</li><li>Predicted review score of each category of product using numPy, pandas, seaborn &amp; matplotlib.</li><li>Trained regression models (linear, random forest) and classification models (logistic, random forest).</li></ul>	Jan 2021 – Mar 2021

## CERTIFICATIONS

<b>JPMorgan Chase &amp; Co.</b> <ul style="list-style-type: none"><li>Completed 'Software Engineering Virtual Experience' program.</li></ul>	Jun 2022 – Jul 2022
<b>Texas A&amp;M University, Qatar</b> <ul style="list-style-type: none"><li>Completed 'Creative Fusion – Introduction to 3D Modelling' program using Fusion 360.</li></ul>	Jun 2020 – Jul 2020

## CO-CURRICULAR ACTIVITIES

<b>Computer Science and Engineering Club, Nanyang Technological University</b> <b>Academics Executive</b> <ul style="list-style-type: none"><li>Organised '<a href="#">Techinterview 101</a>' event for helping students crack technical interviews.</li></ul>	Oct 2022 – May 2023
<b>Member of Academics Sub- Committee</b> <ul style="list-style-type: none"><li>Moderated the '<a href="#">Techinterview 101</a>' event for helping students crack technical interviews.</li><li>Solved and corrected solutions to Previous Year Examination Papers.</li></ul>	Oct 2020 – May 2022
<b>V-Work Asia-Ready Exposure Programme, Cognizant x National Youth Council</b> <ul style="list-style-type: none"><li>Presented on the role of 'Data and AI in Pandemic Management' with a team from ASEAN, India and China.</li><li>Ranked amongst the top 4 teams and awarded with "The Best Challenge Statement Project Presentation".</li></ul>	July 2022

**Mission X Programme, Youth Corps Singapore**

May 2022

- Participated in workshops on planning impactful community service projects and effective volunteer management.

**CANdroid Residential Education Programme, Hall 3**

Feb 2022 – Mar 2022

**Student Assistant**

- Conducted sessions and assisted participants in developing mobile applications using Android Studio.

**SKILLS**

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**Programming Languages:** C/C++, Python, Java, JavaScript (React, Node.js), SQL, HTML/CSS.**Cloud:** Azure, AWS, Google Cloud, Digital Ocean, Heroku.**Data Science & Analytics:** numPy, pandas, seaborn, matplotlib, PowerBI**Databases:** NoSQL (*MongoDB, CosmosDB, DynamoDB*), SQL (*Postgres, mysql*).**Project Management:** Github, Tortoise SVN, Trello.**IDEs & Editors:** Eclipse, VSCode, Netbeans, Jupyter.**3D Modelling:** Fusion 360**Languages:** English (Proficient) and Hindi (Native).