

EDUCATION

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

WORK EXPERIENCE

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

ACADEMIC PROJECTS

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

CERTIFICATIONS

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

CO-CURRICULAR ACTIVITIES

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

Programming Languages: C/C++, Python, Java, JavaScript (React, Node.js), SQL, HTML/CSS.**Cloud:** Azure, AWS, Google Cloud, Digital Ocean.**Data Science & Analytics:** Python (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).