

Manas Bajaj

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About Me

A student aspiring to be a software engineer as I enjoy coding. I spend some of my free time learning coding through courses. I also enjoy taking part in events and planning for them as I find them fun. I always look forward to new experiences that can help me grow.

Key Skills

Microsoft Word, Excel and PowerPoint
Communication
Leadership experience
Time Management
Active Listening

Education Summary

Nanyang Polytechnic Diploma in Infocomm and Media Engineering	2020-2023
Queenstown Secondary School GCE O level examination	2017-2020

Internships and Work Experiences

Software Developer Intern at FoodLine

- Designed and developed backend web UI services in PHP, MYSQL, JQuery, HTML and CSS
- Learned how to write proper codes such that they are of high quality and at the same time able to be dynamically modified when new changes are to be implemented.
- Interacted with clients to understand their needs

Recent Projects

IoT System Development (Arduino + Python Project) **2022**

- Made use of i2c connection between an Arduino and Raspberry pi to build a temperature system
- The temperature system detected surrounding temperatures causing different LEDs to blink and display a suggestion on what to do in that temperature on an LCD display.

Web Design Development + Open-Source Web Solutions Development **2022**

- Designed and developed a video player website using JavaScript, HTML, CSS and PHP.
- The website was designed to be responsive across Laptops/PCs, Tablets and Mobile devices.
- Some features of the website were the ability to add and remove items from a playlist specific to each user, search for videos and also play the video only after the user registers for an account or sign in to an existing account.
- Data of the website was stored in phpMyAdmin MySQL database and SQL queries were used to retrieve the data from there.

Object Oriented Programming Snake Game**2021**

- A classic snake game developed using C++
- Concepts of OOP such as Inheritance, Objects, Constructors, and Encapsulation were used to make the game.

Web Development Portfolio Website**2021**

- A digital portfolio website was made using HTML and CSS
- Highlighted all the projects and information about me
- Used grids, flexboxes, anchor tags and transitions to code the website

CCA achievements

CCA**Nanyang Polytechnic Students Union (NYPSU)****2020-2023**

Nanyang Polytechnic

Camp Soraya – NYPSU Recruitment Camp**June 2022**

- A recruitment camp for my CCA
- I was part of the committee of the event as a welfare IC
- Did a Risk Assessment Method Statement (RAMS) of the activities planned for the camp
- I was also involved in planning for some activities of the camp as there was no Games In-Charge for the camp
- Due to lack of manpower for the event, I also lead a group during the camp
- I learnt what goes into planning and executing an event and how to lead a group

Leadership Training Workshop**April 2022**

- CCA workshop to help people gain leadership skills
- I was part of the committee for event as a Games In-charge and had to facilitate one of the groups
- I learnt more about leadership and how to plan an event to achieve the desired outcome of the event.

Other achievements

Python Object Oriented Programming Course**Aug 2022**

- An introductory course to python OOP
- Done in LinkedIn Learning
- Covered topics such as Inheritance, Composition, Magic Object Methods, Data classes

Basic Python Course**March 2021**

- An introductory to python programming language
- Done in Coursera
- Covered topics such as Variables, Python Methods, Dictionaries, Loops and Arrays