

ManrajPannu

<http://manrajpannu.tech>

contact

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programming

Python,
Flask/Django
CSS, HTML, JavaScript,
Git/Github

frameworks + tools

Android, LibGDX, SFML,
Box2D, Git, Bash,
Dreamweaver, Photoshop

links

github.com/manrajpannu
[linkedin.com/in/manraj-pannu](https://www.linkedin.com/in/manraj-pannu)

interests

Algorithms, Games,
Graphic Design, Basketball,
3D Printing

activities

Computer Science Club
Investment Club
VEX Robotics

Education

2016–Present **Castlebrooke Secondary School**

Brampton, ON

Volunteer

Nov–Dec
2018

Staff Children's Christmas Party

Region of Peel, Brampton, ON

- Leading workshop for children and collaborated with team members
- Organizing activities, games for children
- Communicated with people from all ages
- Improved efficiency of the workshop

Sep–Dec
2018

VEX Robotics

Castlebrooke, Toronto, ON

- Lead a small team of members to perform multiple field resets.
- Ability to review field diagrams to place game objects in correct location on the competition field
- Conduct inspections to verify the robots comply with the rules and specifications outlined

Projects

Dec 2019
-> Present

Visualize Twitter - Python Flask

Personal Project, Toronto, Ontario

- Developed a full-stack open-sourced twitter image scraper
- works by scraping recent images from twitter based on search terms.
- Uses beautiful soup module to scrape relevant information

Jan 2020
-> Present

Buyify – Python Flask

Personal Project, Toronto, Ontario

- Built a fully function shopify clone web app
- Users can create shops and sell products
- Used python flask for backend and HTML/CSS for frontend

July 2018

Maze Game - Python

Final Project, Toronto, Ontario

- Developed an maze game using the Pygame.
- Maze generated using a randomized depth-first search recursive back-track algorithm
- Path finder is implemented using breadth first search on a grid based map system

Dec 2019

Weathering – Javascript – Darksy Api

Personal Project, Toronto, Ontario

- Developed an open-sourced weather app
- Automatically detect location. View temperatures, windspeed, chance of rain.
- Uses Darksy Api and OpenCage Api to query geo location and weather data.

Dec 2019
-> Present

Quacker

Personal Project, Toronto, Ontario

- Fully functional Twitter clone
- Users can "Quack" or tweet posts which are stored into a database
- Passwords are stored are hashed into database using Bcrypt