



# Karamjit Brar

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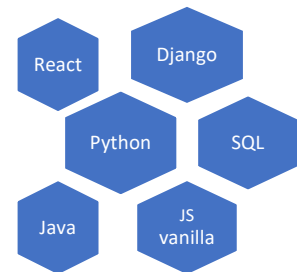
I am a third-year student majoring in Computer Science at York University, excited to start the co-op program and gain industry experience in the field of computer science that will help me upgrade my skills and learn more about business practices and processes. [Project Link \(https://brar-karamjit.github.io/Project/\)](https://brar-karamjit.github.io/Project/) Looking for internship opportunities as a full-stack developer.

## SKILLS AND ABILITIES:

1. Strong leadership, Problem-solving & conflict resolution
2. Ability to multitask in a fast-paced, high-volume work environment
3. Good listener and excellent verbal communication skills
4. Demonstrate systematic and analytical skills
5. Well-organized and able to manage time efficiently
6. Good team player
7. Strong interpersonal & soft skills
8. Curious and fast learner
9. Strong attention to detail

## TOOLS:

1. Java, C, python: Object-oriented programming: encapsulation, abstraction, inheritance, polymorphism
2. Relational databases, MySQL CRUD
3. HTML, CSS, JavaScript, bootstrap for Frontend
4. REST APIs
5. Backend programming using Django
6. MS Excel: Data management, Dashboards, Graphs, formulas, Pivot tables, Macros
7. MS Project: Task planning, linking, dependencies, resource allocations, creating Gant charts
8. MS Power Point: Presentations, algorithmic flowcharts, technical design
9. AutoCAD, SolidWorks, MasterCam.



## EXPERIENCE:

### Tutoring

Sep 2020 – current

Tutoring students in Maths and chemistry, mostly over zoom. When engaging with other students I try to make the subject and engaging as possible and try to view the problems the perspective of student.

### CNC Programmer

Commercial Spring and tools, Mississauga

Sep 2017 – Sep 2020

Based in Ontario Canada, CST is a global leader in the automotive and consumer market amongst other industries. As employees, it is our priority to aid the production and ensure we meet the production target in the given time, without compromising the safety of self or others

1. Read and interpret engineering drawings, plan and sequence operations based on priority
2. Program and generate NC code for the desired toolpath, using Mastercam.
3. Work closely with toolmakers, make necessary changes to drawings and ensure that the final product works as desired.

## **WIRE EDM Programmer and Operator**

EDM cut inc, Brampton

**Nov 2016 – Aug 2017**

Machining shop located in Brampton, specializing in EDM. Most of the parts made here were either for stamping or for the injection molding industry. Such as dies, punches, Sprue bushes, etc. My job responsibilities included

1. communicating with clients and discuss the project,
2. schedule the operation and programming of EDM machines.

## **EDUCATION:**

### **BSc COMPUTER SCIENCE**

**Sep 2020 – current**

**YORK UNIVERSITY, Toronto**

Due to my passion for technology and programming, I decided to pursue a degree in CS. I am currently in my third year and continue to add skills to my stack of programming tools

### **Mechanical Engineering Technician**

**Sep 2015 – Aug 2017**

**Sheridan College, Brampton**

I Completed my diploma in mechanical engineering from Sheridan college in 2017, and later worked as a machinist, it gave me a lot of hands-on experience with automotive industry and supply chain management.

## **EXTRACURRICULAR ACTIVITIES:**

### **ESSENCE CUBESAT PROJECT**

1. The Canadian Space Agency is sponsoring a small satellite developed by York university students to launch into space.
2. I am on the software team, using Arduino and C to code the project.
3. This project is extremely high-level for me as I have mostly beginner understanding in C and have never encountered Arduino before this project.

### **Volunteering in Blood donation event**

1. Helped with promotion of the event using flyers and door to door campaign
2. Awareness regarding negative stigmas associated with blood donations.
3. Managing the event by coordinating with donors and providing refreshments.

### **Experience Venture Award Program** (YUHacks2022 March 9, 2022 )

This award recognizes and encourages students to engage in experiential learning Opportunities that make an impact alongside real-world innovators through entrepreneurial thinking placements

### **Certifications**

Developing Cloud Native Applications

Introduction to Web Development with HTML, CSS, JavaScript

Introduction to Cloud Computing

References Available upon request.