

# Abhishek Chakraborty

abhishek.chakraborty@mail.utoronto.ca | 514-585-3850 | Website: [abhichakra.github.io](https://abhichakra.github.io)

GitHub: [github.com/abhiChakra](https://github.com/abhiChakra) | Medium: [medium.com/@mickeyabhi1999](https://medium.com/@mickeyabhi1999)

## EDUCATION

**UNIVERSITY OF TORONTO** - 3<sup>rd</sup> Year Student (2017 - Expected Aug. 2022)

Candidate for Honours Bachelor of Science – Computer Science Specialist

## SKILLS

**LANGUAGES:** Python, JavaScript (ES6), Java, SQL

**FRAMEWORKS/LIBRARIES:** Flask, React.js, Redux, Node.js, Express, Pandas, JavaFX, Matplotlib

**TOOLS/SERVICES:** Docker, Kubernetes, Nginx, AWS Elastic Beanstalk (EB),  
Google Cloud Platform (GCP), TravisCI, PostgreSQL, MongoDB, Mongoose

## EXPERIENCE



**CIBC Enterprise Innovation** | *Software Developer Intern*

Toronto, ON (Remote due to COVID-19) | Sept. – Dec. 2020 (ongoing)

*Redux, Jest, Enzyme, PyTest, Docker, GCP Cloud Build, Red Hat OpenShift*

Developing customized web-app solutions for stakeholders and working to establish a broader integrated testing and CI/CD deployment strategy in the data team.



**CIBC Data Studio** | *Software Developer Intern* | Waterloo, ON

Jan. – Apr. 2020

*React.js, Nginx, Flask, Docker, Google Kubernetes Engine (GKE), PostgreSQL, Pandas*

Supervisor's (Stephen Xie) work term evaluation: **Outstanding Performance (7/7)**

Worked closely with team data-scientists to deliver interactive and data-intensive RESTful APIs and full-stack web-applications for prominent bank stakeholders:

- Developed and deployed several full-stack web-apps featuring **chart analytics** using [chart.js](#), cookie-token **user-authentication**, **file-upload** and **data storage/fetching** using [PostgreSQL](#) databases on GCP SQL.
- Applied and introduced to the studio a **scalable** web-app deployment procedure through [Kubernetes](#) on **GKE** clusters via configuring [Deployments](#) exposed using [LoadBalancer](#) & [ClusterIP](#) services.
- Spearheaded the development of an emergency COVID-19 info-querying web-app for CIBC contact centres.



**Staples Inc.** | *Software Engineer Intern* | Mississauga, ON

Jan. – Apr. 2019

*Java, Python, Matplotlib, Agile environment (Scrum)*

Supervisor's (Sandeep Sikka) work term evaluation: **Outstanding Performance (7/7)**

Developed a [Java](#) simulator to **test robotic efficiency** for a project implementing mobile robots in Staples' supply warehouses, as similarly shown [here](#):

- Simulator featured **dynamic robot routing** using [A\\* algorithm](#) and collision avoidance using [Quadtree](#) data-structure and [directed edge graphs](#). Simulator also outputs warehouse floor statistics and visuals for robot movements with [Python](#) using [Matplotlib](#) library with pyplot and animation.

## PROJECTS

RateARental Web-App | *MERN, Docker, AWS EB, TravisCI, Mongoose* | [Link](#), [GitHub](#)

Web-app where users can create an account to receive and give reviews about rental listings.

Restman Restaurant Manager | *Java, JavaFX* | [GitHub](#)

Synchronized [Java](#) system that manages food orders and displays relevant analytics such as menu item popularity and periodic sales using [JavaFX](#).