

# Karanjot (KJ) Pabla

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🌐 [www.linkedin.com/in/kjpabla/](https://www.linkedin.com/in/kjpabla/)

🐙 [www.github.com/kjpabla/](https://www.github.com/kjpabla/)

## 💻 Programming Languages:

- ☕ Java, C++
- 🐍 Python, 📄 JavaScript, 🗄 SQL

## Education

September 2017 – January 2022

### 📖 B.Sc. Computer Science (Honours)

Co-op Program

## Career Related Experience

May 2020 – August 2020

### 📖 Junior Developer (Co-op)

Digital Garage (R&D Branch)- Labour and Transportation I&IT Cluster, Ministry of Transportation, *St. Catharines, Ontario*

- Developed **Pipelines** using **Azure Services**, and pages for **Web-Apps** using **React**, to provide **100%** digital access to the Ministry's resources online
- Pioneered **Automation** within our branch by automating **100%** of the regression testing for a Ministry wide **Web-App** using **Selenium WebDriver**

January 2020 – May 2020

### 📖 Junior Data Science Developer (Co-op)

Digital Garage (R&D Branch)- Labour and Transportation I&IT Cluster, Ministry of Transportation, *St. Catharines, Ontario*

- Extracted, analyzed, streamlined, and visualized **Big Data** using various Data Science tools (i.e. **Python, Spark, Anaconda, Power BI, Jupyter**)
- Created **scripts** to aggregate **100%** of the real-time incoming Ministry data when automating processes for our project needs (i.e. **Machine Learning**)

June 2019 – August 2019

### 📖 Software QA Analyst (Co-op)

Emergency Health I&IT Solutions and Technology Management Branch, Ministry of Health, *Toronto, Ontario*

- Performed **SIT & UAT** using **Jira**, and **Confluence**, on ambulance communication software, strengthening ambulance dispatching capabilities by **50%**

May 2019 – June 2019

### 📖 IT Systems Assistant (Co-op)

Emergency Health I&IT Solutions and Technology Management Branch, Ministry of Health, *Toronto, Ontario*

- Managed updates on **50%** of the total **1200** outdated **Windows PCs** and **Linux Servers** found in ambulance communication centres across Ontario

## Skills

🗄 Databases

📖 PostgreSQL, MongoDB, Azure Data Studio, SQL Server Mgmt. Studio

📊 Data Science

📖 Spark, Anaconda, Power BI, Jupyter Notebooks, Databricks, Google Analytics

🔗 Web & Automation

📖 React, Node.js, Html, css, Selenium (WebDriver, IDE), Mocha

🔧 Other

📖 Azure DevOps & Pipelines, Git, GitHub, Jira, Confluence, Excel, ...

## Academic Projects

November 2019

### 📖 Artificial Intelligence Cryptanalysis Program

Brock University- Introduction to Artificial Intelligence, *St. Catharines, Ontario*

🐙 <https://github.com/kjpabla/GA-Implementation-on-the-Vigenere-Cipher>

- Received an excellent score (**100%**) for developing a professional **IEEE Technical Report**, and implementation of the **Genetic Algorithm** in **Java**