

# PARTH PATEL

St. Catharines, Ontario | 365.880.1612 | parthpatel1612001@gmail.com | [GitHub](#) | [LinkedIn](#)

## EDUCATION

### Brock University

St. Catharines, Ontario

Major: Computer Science

GPA: 87/100 (3.3/4.0)

Expected Graduation: January 2024

**Relevant Classes:** Advanced Data Structures, Advanced Algorithms, Neural Networks, Robotics, Software Engineering

**Honors/Awards:** Dean's List 2021 - 2022

**Scholarships:** Brock Entrance Scholarship

## EXPERIENCE

### WealthSimple

Toronto, Ontario

*Software Engineer Intern, Data Machine Learning Platform*

May 2022– September 2022

- Executed a cost savings plan by building an internal ETL tool using Python and FastAPI to plug into Workato and streamlining the data pipelines process saving the company up to \$32,000/year
- Developed a full stack application (within 2 weeks) for data unmasking requests and the company's data masking solution (Satori) that increased productivity and reduced the team's maintenance burden by 20hr/week
- Improved performance of Docker containers for local development environment by ~20% by reducing Image Size and optimizing Dependency Trees creating faster Docker image build times
- Created CI/CD Pipeline for different GitHub Repositories to automatically test commits and deploy them in production improving productivity by up to ~2hr/day

**Tools:** Airflow, Docker, CircleCi, AWS, Python, Pandas, Flask, NodeJs (ExpressJS), ReactJs, CSS, Typescript, Jira, SQL, MySQL, BASH, Java, C/C++, git

### Ministry of Government and Consumer Services

Toronto, Ontario

*Data Analyst, ITS*

September 2021– December 2021

- Created server availability dashboard that linked to internal APIs and fetched data from Azure Data Factory using PowerBI resulting in an increase in incident coverage by 56%
- Deployed and managed virtual machine instances that were served to clients using RedHat Ansible and automated data processing tasks resulting in an increase in operational productivity
- Reduced bottleneck in operational steps by enhancing existing data pipelines in Azure Data Factory which increased the performance of automated data extraction and transformation by ~24%
- Provided backend support to create an API management tool to manage API end points that plugged into Azure Data SQL warehouse, increasing API security across the organization

**Tools:** Azure Web Services, Pandas, NumPy, Matplotlib, SAS, PowerBI, Python, RedHat Ansible, SQL

## PROJECTS

### Group Crypto Trading Bot

Jan 2022 — Feb 2022

- Made a Discord Bot to Trade on Crypto.com and added the following features: Sell, Buy, GetCandleSticks, BestPrice, NewHitPrice
- BestPrice and NewHitPrice used Machine Learning (Neural Network) to predict the best price to buy the coin at or to predict the new price for the next day based on 60 days of sequential data

### Visualization Tool-Map/ Route mapping and Navigation

Oct 2021 — Nov 2022

(React-Node)

- Created a socket-based client-server application that allows users to navigate and visualize trips on the map of St. Catharines
- Utilized Dijkstra's shortest path algorithm and other pathfinding algorithms used for route management and navigation

## SKILLS

**Languages:** English

**Programming Languages:** Java, C/C++, Python, HTML5, JavaScript/Typescript, CSS3, MATLAB, ARM, Assembly Language

**Frameworks & DBs:** NodeJS, ExpressJS, AJAX, REST API, React, MongoDB, Git, Microsoft Azure

**Machine Learning:** PyTorch, Pandas, NumPy, Matplotlib