

VIJAY PATEL

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Skills

Languages	Python, Java, JavaScript, C, HTML/CSS, Matlab
Frameworks / Libraries	Django, Flask, Bootstrap, Tkinter, Pandas, BeautifulSoup
Databases	MSSQL, SQLite, MySQL
Software	Linux, Git, Tableau, Excel, Autodesk Inventor
Hardware	Arduino, Raspberry Pi

Employment

TD Bank

Toronto, ON

TECHNICAL ANALYST INTERN

May 2019 - Aug 2019

- Designed processes to manage over **20 000 toxic combinations** and ensured segregation of duties for internal applications. Used **SQL and Excel**
- Reduced compliance and risk issues by integrating **continuous monitoring** into the pipeline with **Python and RESTful APIs**
- Successfully ensured all weekly IT changes were **operationally ready** by reviewing select changes with Change Owners

Projects

CPU L8R

GROUP PROJECT

Sept 2019 - Present

- Currently working in a team of 5 to create a pacemaker prototype using Matlab and the FRDM-K64F board
- Responsible for designing a GUI interface to control the board. Using **Python** and **Tkinter library**

Stock Tracker

PERSONAL PROJECT

Oct 2019

- Created a **Python** web application using the **Flask** framework to display the market summary of a company through an interactive candlestick chart
- Added input for ticker symbol to effortlessly view data for any publicly traded company

EasyDocs

DELTA HACKS 5

Jan 2019

- Developed a **Python** web application using the **Django** framework to aid general practitioners in tracking patient medical data
- Implemented detection of potential treatment conflicts and medical conflicts based on family history, medical conditions, current treatments, and other personal information
- Designed an intricate **SQLite** database for treatments, appointments, patients, and medical conflicts

NBA Award Analysis

PERSONAL PROJECT

Jan 2019

- Scraped statistics for each NBA player from basketball statistics website using **Python** and the **BeautifulSoup** package
- Filtered out non-rotational/injured players and stored the data into a **MySQL** database
- Visualized player statistics using **Tableau** to identify trends and predict end of season award winners

Education

McMaster University

Hamilton, ON

COMPUTER ENGINEERING AND MANAGEMENT

April 2022

- **Relevant Courses:** Principles of Programming, Data Structures and Algorithms, Software Development
- **Extra-Curriculars:**
 - VP Internal: McMaster Engineering and Management Society
 - Attendee Relations Team Member: DeltaHacks
 - Financial Associate: McMaster Hyperloop Team