VIJAY PATEL

📞 (416) 854-6867 | ✉ patelv60@mcmaster.ca | 🏠 vjpatel.ca | ⓞ VJ-P | in vijaypat

Skills

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

Experience

TD Canada Trust   *Toronto, ON*
Technical Analyst Intern   *May 2019 - Aug 2019*
- Reduced compliance and risk issues by integrating **continuous monitoring** into the pipeline using **Python**
- Utilized **SQL and Excel** to design processes to manage over **20 000 toxic combinations** and ensured segregation of duties for internal applications
- Successfully ensured all weekly IT changes were **operationally ready** by reviewing select changes with Change Owners

Projects

CPU L8R   *Nov 2019*
Academic Project
- Collaborated in a team of 5 to create a pacemaker prototype using MATLAB and the FRDM-K64F board
- Designed a GUI interface to communicate with the board using **Python** and the **Tkinter** library
- Implemented serial communication between the interface and hardware using **pySerial** to input parameters

Stock Trackr   *Oct 2019*
Personal Project
- 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   *Jan 2019*
Delta Hacks 5
- 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, appointements, patients, and medical conflicts

NBA Award Analysis   *Jan 2019*
Personal Project
- 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

B.Eng, Computer Engineering and Management   *Hamilton, ON*
McMaster University   *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
    - **Accounting Associate:** McMaster Hyperloop Team