VIJAY PATEL

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

Skills

Languages	JavaScript, Python, Java, 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, Verilog

Education

B.Eng.Mgt, Computer Engineering and Management   *Hamilton, ON*

MCMASTER UNIVERSITY   *April 2022*

- **Relevant Courses:** Principles of Programming, Data Structures and Algorithms, Software Development
- **Leadership Positions**
    VP Internal: McMaster Engineering and Management Society
    Attendee Relations Executive: DeltaHacks

Experience

TD Canada Trust   *Toronto, ON*

TECHNICAL ANALYST INTERN   *May 2019 - Aug 2019*

- Developed scripts to automate compliance and risk checks in order to decrease server downtime by more than 20%
- Designed and built a process to manage over 20 000 security vulnerabilities related to inappropriate environment access
- Reviewed over 200 software updates/patches to ensure that they met development standards before being put into production
- **Technologies Used:** Python, RESTful APIs, SaltStack, Rundeck, SQL, Excel

Projects

Pacemaker Prototype
- Managed a team of 5 in the design, development, and documentation of a pacemaker prototype for an academic project
- Built a UI interface and implemented serial communication for a physician to easily manage pacing modes and parameters
- **Technologies Used:** Python, TKinter, pySerial

Stock Trackr
- Created a web application using the to monitor the market summary of a company through an interactive candlestick chart
- Added a ticker symbol input to effortlessly view data for any publicly traded company
- **Technologies Used:** Python, Flask, Bootstrap

EasyDocs
- Developed a web application for general practitioners by generating patient information templates while highlighting potential medical issues and recommending medication
- Implemented a recommendation engine to alert the practitioner of potential risks to check for based on patient information
- **Technologies Used:** JavaScript, Python, Django, JavaScript, Bootstrap, SQLite

NBA Analysis
- Scraped NBA player statistics from basketball statistics website in order to visualize statistics to identify trends and predict the end of season award winners
- Learnt about the applications of web-scraping to analyze data and the document object model
- **Technologies Used:** Python, Tableau, MySQL, BeautifulSoup