VIJAY PATEL

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

Skills

Languages	Python, JavaScript, Java, C, HTML/CSS, MATLAB
Frameworks / Libraries	Django, Flask, Node.js, Express.js, Bootstrap,
Databases	MSSQL, SQLite, MySQL
Software	Git, Linux, 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, MSSQL, 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, 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