

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

Experience

TD Bank

Toronto, ON

TECHNICAL ANALYST INTERN

May 2019 - Aug 2019

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

Projects

CPU L8R

ACADEMIC PROJECT

Sept 2019 - Present

- Collaborating in a team of 5 to create a pacemaker prototype using **MATLAB** and the **FRDM-K64F** board
- Designing a GUI interface to control the board using **Python** and the **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

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
 - Financial Associate: McMaster Hyperloop Team