

# VIJAY PATEL

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## Skills

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Languages JavaScript, Python, Java, C, Assembly, SQL, MATLAB, HTML/CSS  
Frameworks / Tools React.js, Node.js, Express.js, Django, Flask, Bootstrap  
Software Git, Linux, Tableau, Excel, Autodesk Inventor  
Hardware Arduino, Raspberry Pi, Verilog HDL

## Education

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**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

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**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 20%
- Designed and built a process to manage over 20 000 security risks 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

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**Group Chat**

- Built a distributed chat room application to allow users to communicate anonymously with everyone
- Managed data using Redux, side effects with Redux-saga, and client-server communication with WebSockets
- **Technologies Used:** React, Redux, Redux-Saga, WebSockets, Node

**Stock Trackr**

- Created a web application 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