MAAN PATEL

University Of Waterloo **|** 3rd Year Management Engineer

https://github.com/maan-patel patel.maan14@gmail.com maan-patel.github.io Toronto, Ontario, CA

Skills

Languages	Python, SQL, Ruby, JavaScript, Java, R, PHP, XML
Web	HTML5, CSS, SASS, Django, React, Node.js, jQuery, Ruby on Rails, Express.js
Technologies	MongoDB, PostgreSQL, MySQL, Linux, Git, Unix, NumPy, Matplotlib, Pandas, JUnit, TensorFlow

Experience

Digital Marketing / Full Stack Developer Intern | *CIS Office Plus*   Sep 2020 – Dec 2020
- Managed and updated several e-commerce websites written in JavaScript, Python, PHP, HTML, & CSS using technologies such as React, Django, jQuery, Express, Material UI, Bootstrap and more.
- **Improved SEO scores by 35% and significantly reduced loading times** by adding site metadata, XML sitemaps, browser caching, minified JS/CSS files, async functions, and minimized HTTP requests to existing suite of e-commerce websites.
- Delivered new apps/websites with appealing UI/UX for clients using back end and frontend functionality by working closely with the product manager and other developers in an agile environment.

IT Network and Security Support Analyst Intern | *AGF Investments*   Jan 2020 – Apr 2020
- **Mitigated organizational risk vulnerability by 7%** as a result of creating a Python script that detects CVE vulnerabilities for all software and webpages visited on a user's device.
- Presented project reports, vulnerabilities, and recommendations to senior IT heads in bi-weekly meetings.

IT Security Risk & Audit Administrator Analyst Intern | *Toronto District School Board*   Apr 2019 – Sept 2019
- Programmed in Kali Linux to do ethical hacking using SQL queries, testing security features, and monitoring network activities. Worked with the website team to fix vulnerabilities such as Cross Site Scripting using JavaScript/DOM.
- Fulfilled the organizational need for **storing over 50,000** student/teacher information, IP addresses, TCP ports, and visited websites by creating an XML storage.

IT Project Manager Intern | *Toronto Public Library*   Apr 2018 – Jan 2019
- Created an AI recommendation system by mass collecting books checked out per user over a certain period, using collaborative filtering, content-based recommender and TensorFlow in Python.
- Achieved an **increase of over 3000 books checked out** due to the implementation of the system and marketing emails.

Projects

Automatic-Stock-Portfolio-Generator - Python, Django, Yahoo Finance API, HTML/CSS   Feb 2021
- Helped over 20 individuals/families to get started with responsible and disciplined investing. An automatic stock portfolio is generated from user's Investment Capital, Time of Investment, and Risk Level.
- Stock Prices were obtained using the Yahoo Finance API. Django is used as the web framework. Back-end functions were created to make recommendations, and display charts. https://automatic-stock-portfolio.herokuapp.com

Wonders World - JavaScript, Node.js, Express, MongoDB, APIs, Async Functions, Password Hashing   Apr 2020
- Fully functioning CRUD application made using JavaScript, Node.js (for backed), Express (for the web framework), MongoDB (for storing data such as users, passwords, locations, description, etc.), Password Hashing, Async JS (for requests), Error Handling Middleware, and HTML/CSS & Bootstrap (for front-end).
- https://wonders-world.herokuapp.com

Education

Management Engineering - University of Waterloo   2019 – 2024
Courses: Data Structures & Algorithms, Databases & Software Design, Probability & Statistics, Linear Algebra, Calculus