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

Experience

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.
- Added site metadata, XML sitemaps, browser caching, minified JS/CSS files, async functions, and minimized HTTP requests to existing suite of e-commerce websites **resulting in over 35% improvement of SEO scores and significant decrease in load times.**
- Worked closely with the product manager and other developers in an agile environment to deliver new apps/websites with appealing UI/UX for clients using backend and frontend functionality.

IT Network and Security Support Analyst Intern | *AGF Investments*   Jan 2020 – Apr 2020
- Created a **Python** script that detects CVE vulnerabilities for all software and webpages visited on a user's computer and thereby **mitigated organizational risk vulnerability by 7%.**
- 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 10,000** 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**.
- The results were then used to generate marketing emails with the most relevant book recommended for users that are interested in the genre. There was an **increase of over 3000 books checked out** due to the implementation of the system. Results were presented to senior IT heads.

Projects

Automatic-Stock-Portfolio-Generator - Python, Django, Yahoo Finance API, HTML/CSS   Feb 2021
- Created to help 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,** and **Django** 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