

MAAN PATEL

University Of Waterloo | 3rd Year Management Engineer



<https://github.com/maan-patel>



patel.maani4@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, Angular, Express, Node.js, jQuery, Ruby on Rails.

Technologies: Git, Unix, Linux, MongoDB, PostgreSQL, 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.
- 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