MAAN PATEL

University Of Waterloo | 3rd Year Management Engineer

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Skills

Languages: Python, JavaScript, SQL, Ruby, R, PHP, HTML/CSS
Technologies: Django, React, Express, Node, MongoDB, PostgreSQL, Ruby on Rails, NumPy, Matplotlib, Pandas

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. Increased SEO score by 12% and decreased website load times significantly by adding metadata, XML sitemaps, ASYNC functions, minimizing HTTP requests, and minifying JS/CSS files.
- Worked closely with the product manager and other developers in an agile environment to create new websites for clients with optimized SEO scores, XML sitemaps, secure sites, and back-end functionality.

IT Network and Security Support Analyst Intern | AGF Investments — Jan 2020 – Apr 2020

- Created a Python script that detects CVE vulnerabilities for every new/old software downloaded or webpage visited on a user's computer and thereby mitigated organizational risk vulnerability by 7%.
- Presented project reports and vulnerabilities to senior IT heads in bi-weekly meetings.

IT Security Risk & Audit Administrator Analyst Intern | Toronto District School Board — Apr 2019 – Sept 2019

- Worked on projects for mitigating organization risks such as SQL Injections, User Privileges, and Directory Traversal.
- Using Kali Linux to do ethical hacking using SQL queries, testing security features, and monitoring network activities.
- Created XML files to store data such as student/teacher emails, IP addresses, TCP ports and websites.

IT Project Manager Intern | Toronto Public Library — Apr 2018 – Jan 2019

- Created a recommendation system by mass collecting books checked out per user over a certain period, then using collaborative filtering, content-based recommender and assuming if person A has checked out similar book as person B, B's book genre preference is more likely to be like A rather than a random user's book genre preference.
- The results were then used to generate marketing emails with the most popular book recommended for users that are interested in the genre.

Projects

Automatic-Stock-Portfolio-Generator - Python, Django, Yahoo Finance API, HTML/CSS — Feb 2021

- 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)
- Allows user to Register/ Login and Add, Edit, Update, and Delete their wonder. The user can also add an image, description, location and more. Only the user who created a wonder can delete it. https://wonders-world.herokuapp.com

Advanced-Calculator - JavaScript, npm module — Jan 2021

- npm module that acts as a scientific calculator and allows you to do many calculations without worrying about formulas.
- npm install advanced-calculator, https://www.npmjs.com/package/advanced-calculator

Education

Management Engineering - University of Waterloo — 2019 – 2024

- Courses: Data Structures & Algorithms, Databases & Software Design, Advanced Probability & Statistics, Linear Algebra, Advanced Calculus