Shalin Patel

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Education

University of Waterloo *Waterloo, ON*
Bachelors of Computer Science *Sept. 2018 - Apr. 2023*
- Major GPA: 3.8/4.0

Work Experience

Ontario Ministry of Government and Consumer Services *Toronto, ON*
Infrastructure Technologies Services Co-op *May 2019 - August 2019*
- Worked with IBM's Privileged Identity Manager to handle access management for the secure data servers at the Data Center Operations sector in MGCS.
- Designed an algorithm and developed a GUI to successfully automate the process of user modifications in PIM achieving significantly reduced man-hours and a consistent workflow with less chance of human error.
- Optimized SQL queries in SSMS sent through PowerBI reports achieving a 7-fold decrease in time.

Skills

Languages	Python, Java, JavaScript, C, C++, Racket, Bash, SQL, HTML5/CSS3
Frameworks/Libraries	Express.js, React.js, Node.js, Django, Bootstrap, Scikit-Learn, Numpy, Pandas
Technologies	MongoDB, Git, Tableau, Microsoft Flow, Microsoft Azure, PowerShell Scripts

Projects

Identity Manager
MongoDB | Express.js | React.js | Node.js | Javascript | HTML5 | CSS3
- A full stack MERN web application with a Material UI appearance.
- It allows the user to register/login and store their multiple online credentials and safely logout.
- Incorporated CRUD functionality, the use of React hooks, context and JWT authentication.

Astro
Django | Python | Javascript | HTML5 | CSS3
- Innovated a Facebook-type application directed towards youth with a space-theme.
- Focused on making an elegant, user-friendly interface by using Django for CRUD functionality.
- Uploaded on pythonanywhere.com, capturing a web traffic of 674 within the first two months.

Dog or Cat
Python | Tableau | Pandas | MatPlotLib | Scikit-learn | TensorFlow
- Program that successfully differentiates between pictures of cats and dogs with an 86% accuracy.
- Inspired by reCAPTCHA when signing up for a website to recreate a similar algorithm with animals.
- Created a Tableau worksheet to visualize the results and further improve the accuracy to 88%.

Volunteer Experience

University of Waterloo Math Society *Waterloo, ON*
Director of Finance *Sept. 2018 - Dec. 2018*
- Orchestrated budgets and plans for the events held by multiple clubs at the university.
- Gained collaboration skills working with the Vice President of Finance and 9 other Finance Directors.
- Organized several massive data sets to attain and successfully maintain a high level of ease of access.
- Streamlined the process of budget forming for the Math Society by reformatting the data.