

Shalin Patel

☎ (647) 784-8932 | ✉ sa8patel@uwaterloo.ca | 🌐 PatelShalin | in shalin-patel-911390175

Education

University of Waterloo

BACHELORS OF MATHEMATICS, MAJOR IN STATISTICS

- GPA: 3.3/4.0

Waterloo, ON

Sept. 2018 - Apr. 2023

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.