

# Setu Potnis



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www.setupotnis.netlify.com



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## Software Engineer

**Programming Languages:** JavaScript, Dart, C++, Java, Python, NodeJS

**Web Technologies:** REST, Flutter, Web Sockets, J2EE, HTML5, CSS

**Frameworks:** React, Express, Django

**Data Modelling and Management:** JSON, XML, XSLT, MySQL, MongoDB, Firebase

## Professional Experience

### Web Application Developer

National Research Council, Ottawa, Ontario | Jan 2020 - Present

- Testing, observing and deploying data visualization systems to production servers to increase data usability for clientele by **14%**
- Creating data visualizations with **D3.js** to provide further machine learning tools such as energy usage statistics to reduce expenses
- Employing the use of data structures to reduce repetitive code by **12%** and reduce time complexity of algorithms to optimize for scalability, in **Java** and **JavaScript** by **16%**
- Communicating with clients through technical guides to present the product and increase customer satisfaction

### Software Development Intern

Mirrabel Inc., Toronto, Ontario | May 2019 - Aug 2019

- Diligently worked with the CTO to manage the backend of the website in **Java** and reduce bugs by 40%
- Produced a Shopify application by designing the user interface with **React.js** and redux
- Integrated Shopify API to permit existing e-commerce cosmetic stores to acquire **90%** better-targeted sales and data through direct marketing
- Automated email marketing in python to grant quicker access to cosmetic partnerships

## Projects

### uOttaiFit

UOttaiHack3, University of Ottawa, Ottawa, Ontario | Feb 7 - Feb 9, 2020

- Designing a full stack application with a **React.js** frontend and a **C++** and **Python** backend, as well as a 3-dimensional camera, to prevent injuries related to weightlifting
- Testing the software by performing compound lifts at the gym in order to train the **machine learning** model
- Employing user testing to determine accuracy and usability of model for future development and improvement
- Achieved **top 20** out of **177 participants** at UOttaiHack3

### Smart Mirror

University of Waterloo, Waterloo, Ontario | Sept 2019 - Dec 2019

- Constructing a smart mirror mobile application with the Flutter SDK to create a more personalized home atmosphere
- Enhancing smart mirror experience by using open source software such as Spotify and Amazon Alexa APIs
- Reviewing code to reduce repetition and create a scalable system for the user
- Implementing a to-do list which can send reminders to emails when a task is incomplete

## Education

### Nanotechnology Engineering Honours, with Co-op

University of Waterloo | Bachelor's of Applied Science, Class of 2023