Setu Potnis

Engineering Undergraduate

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in /setupotnis/

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 increasing usability 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 in **Java** and **JavaScript** to reduce repetitive code by **12%** and increase scalability of algorithms 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 working with the CTO to manage the backend of the website in **Java** and reducing bugs by 40%
- Producing a Shopify application by designing the user interface with **React.js, redux,** and **Express**
- Integrating the Shopify API to permit existing e-commerce cosmetic stores to acquire **90%** better-targeted sales and data through direct marketing
- Automating email marketing in **python** to grant quicker access to cosmetic partnerships

Projects

uOttaFit

UOttaHack3, University of Ottawa, Ottawa, Ontario | Feb 7 - Feb 9, 2020

- Designing an application with a **React.js** frontend and a **C++** and **Python** backend to prevent weightlifting injuries
- Testing the software by performing compound lifts at the gym in order to train the **machine learning** model with **TensorFlow**
- Employing user testing to determine accuracy and usability of model for future development and improvement
- Achieved **top 20** out of **177 participants** at UOttaHack3

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
- 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 using the **Provider** flutter package for state management

Education

Honours Nanotechnology Engineering with Co-op

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