SETU POTNIS

Engineering Undergraduate

SKILLS

Working knowledge in :
- JavaScript, HTML, CSS
- Python, C, Node.js, R, MatLab
- Git

- Able to work in a team to solve problems
- Effective Oral and written communication
- Fluent in both English and French

Community Outreach Blog:
@cs.software_
171 followers

RELEVANT COURSEWORK

- Data Structures and Algorithms, Computational Methods, and Fabrication
- Employed regression models in MatLab to through an arbitrary amount of data points

HARDWARE

- Circuit experience with breadboards, inductors, and capacitors for RL and RC circuits
- Experience with an oscilloscope through labs in order to measure square, sinusoidal, and triangular waveforms

GET IN TOUCH

647-408-3032
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www.setupotnis.netlify.com

WORK HISTORY

Web Application Developer

National Research Council | January 2020 - Present | Ottawa

- Testing, deploying and observing data visualization systems to production servers which increased data usability for clientele
- 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 and reduce time complexity of algorithms to optimize for scalability
- Communicating with clients through technical guides to present the product and increase customer satisfaction

Software Developer

Mirrabel Inc | May 2019- August 2019 | Toronto

- Diligently worked with the CTO to manage the backend of the website 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

uOttaFit

February 7-February 9 | uOttaHack3 | Ottawa

- Designing a full stack application with a Reactjs 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
- Employed user testing so we could see how accurate the model was and what type of data that we still needed to collect

Smart Mirror

September 2019 - December 2019 | Waterloo

- Constructing a smart mirror mobile application with Flutter and a Raspberry Pi used to create a more personalized home atmosphere
- Enhancing smart mirror experience by using open source software such as Spotify and Amazon Alexa Open APIs
- Wiring the Raspberry Pi with a LCD display and a microphone in order for voice commands to be accessible

React Recipes

July 2019 | Waterloo

- Designed a react.js application to call for recipes from an API in order to further personal knowledge of React and learn more about different cuisines

EDUCATION

Candidate for Bachelor of Applied Science | Nanotechnology Engineering
University of Waterloo (Class of 2023)