

Kaustav Sharma

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EDUCATION

UNIVERSITY OF WESTERN ONTARIO | BS COMPUTER SCIENCE London, ON | September 2017 - April 2021

EXPERIENCE

CALLUNIFY | QA SOFTWARE DEVELOPER

Remote | October 2019 – Present

- Conducted extensive research on competitor's product documentation, enabling me to create surveys and after-action report pages for our agents after they finish a call.
- Developed unit tests in Clojure to load test our servers.
- Reported a high priority bug in which reported spam callers were not being flagged and removed from the notification list, resulting in an increase of our agent satisfaction rate by 40%.

THE WESTERN GAZETTE | DESIGN EDITOR

London, ON | September 2019 – Present

- Incorporate excellent soft skills to combine the ideas of my colleagues with software tools to iteratively prototype, and ultimately release designs that will be well-received by my target audience.
- Took the initiative to begin rolling out a new scroll-based immersive reading experience on our website for the upcoming school year, innovating on the ideas of the NY Times and ProPublica.
- Earned a reputation for helping bring readership back to the Western Gazette as our new online article format has shown a promising 125% improvement in the number of readers who have scrolled to the end of the page in our trial run.

SKILLS

PROGRAMMING LANGUAGES TECHNOLOGIES

Python, Java, JavaScript, C++, SQL, R
React, NodeJS, MongoDB, Git, Linux, OOP, Functional Programming, AWS

PROJECTS

DEAL FLASH | NIGHTMARE.JS, EXPRESS, NODEJS

<https://github.com/kaustav927/Deal-Alert>

Developed a simple web page asking the user for an Amazon.ca product URL, the price they would like to pay for the product on that URL, as well as their email. The backend scrapes the URL every 12 hours and emails the user an alert when the product's price falls within the range they specified.

CHANGE X FOUNDATION | REACT, MONGODB, EXPRESS, NODEJS

<https://changex.ca/>

Developed a charitable donation website concept using the MERN stack, which helped us more than double our donations from \$1250 in 2018 to \$2550 in 2019. The latest version of the site is currently under construction.

ARCHI STRATEGY GAME | JAVA

<https://github.com/kaustav927/Archi>

Developed the logic for the popular 2 player strategy game "Archi" played against a rudimentary AI opponent that is implemented through a decision tree using a hash table with separate chaining. The board size, as well as the "difficulty", can be configured by the user.

TWITTER SENTIMENT ANALYZER | PYTHON, TWEETPY API

<https://github.com/kaustav927/Twitter-Sentiment-Analyzer>

Utilized Twitter's API to stream tweet data through text files, which is then parsed using python to extract valuable information about a tweet and the location where it was tweeted. The program outputs the average sentiment score for all four time zones of the continental USA.

PORTFOLIO | REACT, EXPRESS, NODEJS, BOOTSTRAP-REACT

<https://github.com/kaustav927/Portfolio>

Learned how to use React and the bootstrap-react library to create a stunning and responsive portfolio to showcase my projects, and personal accolades.