M Towseef Hossain

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TECHNICAL STRENGTHS	
Programming	Java, C++, Node.js, Bash, Python, C, SQL, React, Scheme, R
Tools & Frameworks	Spring Boot, JIRA, Splunk, Jenkins, GitHub, Docker, Kubernetes, Agile, AWS

WORK EXPERIENCE

Intuit Inc.   **Mississauga, ON**
Fullstack Software Development Co-op   September – December 2019
- ➢ Worked on the compliance team for the TurboTax Online web application, with a focus on making the product compliant and shipping it for the 2019 tax year.
- ➢ Developed and shipped a feedback system connected to Splunk so users can send feedback to the developers directly.
- ➢ Implemented JIRA and GitHub automation scripts in Jenkins build and continuous integration jobs to track cycle time for developers more accurately, which improved reported cycle time by 20%
- ➢ Worked with teams for the Edmonton office to develop a chatbot that leverages collected data and Natural Language Processing capabilities of AWS to assist the tax filing process for users during tax season
- ➢ Wrote unit tests that increased test coverage of 2000+ Java classes from 15% to 20%

PROJECTS

FoodyRoomies   https://devpost.com/software/foodyroomies   June 2019   **Waterloo, ON**
- ➢ Built a cohabitation assistance web application with an HTML, Bootstrap CSS and JavaScript frontend
- ➢ Programmed frontend functionality that updates the MongoDB database through the NodeJS backend.
- ➢ Programmed the website to send push notifications to a specified Slack channel using the StdLibJS API.

Pandas_Fifa19   https://git.io/fjRCi   May 2019   **Waterloo, ON**
- ➢ Designed a statistical tool using a Python3 script utilizing the Numpy, Pandas and Matplotlib modules
- ➢ The tool analyzes and visualizes the strength of correlations between attributes of 18000+ players in FIFA19
- ➢ Statistically significant outputs of the script include the fact that over 75% of professional players are right footed, that there is a weak correlation between players' Overall rating and Stamina rating, and that English players constitute more than 9% (a significant majority) of the professional footballing population.

UW BSA Website   https://git.io/fjRCD   January 2019 – Present   **Waterloo, ON**

- ➢ Designed a robust website for the marketing of the UW Bengali Student Association
- ➢ Built the website using W3.CSS, custom HTML and graphic elements, and embedded forms
- ➢ The website aided the rise in community outreach and event attendance by 40% over four months

AWARDS AND DISTINCTIONS

Quarterfinalist   **Zagreb, Croatia**
World Schools Debating Championship 2018   July 2018

EDUCATION

University of Waterloo   **Waterloo, ON**
Candidate for Bachelor of Mathematics, Honours Co-op   January 2019 – 2024 (Expected)

INTERESTS

Data Science, Web Development, Software Development, Database Management, Machine Learning, Natural Language Processing, Web Development, UI/UX Design, Graphic Design, Product Management