

Faraz Naseem

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TECHNICAL SKILLS

- **Languages:** Java, Python, C, C++, C#, Ruby, JavaScript, SQL, HTML, CSS, XML, Bash
- **Libraries/Frameworks:** Tensorflow, Django, Flask, Express.js, React.js, Selenium Web Driver, JUnit, pandas, Bootstrap
- **Databases:** MySQL, PostgreSQL, Firestore, MongoDB, Oracle SQL Server
- **Developer Tools:** Microsoft Azure, Google Cloud Platform, Node.js, Git, Docker, Gitlab, RESTful API, Linux

EDUCATION

University of Windsor

Bachelor of Science In Computer Science

GPA: 85% (3.4/4.0)

Windsor, ON, Canada

Sept 2019 - May 2023

WORK EXPERIENCE

Software Developer Intern

BlackBerry

Ottawa, ON, Canada

January 2022 – April 2022

- Created Unit Test in Java Selenium Web Driver, to validate the success of HTTP Patch request.
- Migrated Java Code to remove Web Driver Dependency and used built-in Connection library, resulting in **30% reduction in latency**.
- Designing and implementing automation solutions for Enterprise Identity team using: Nodejs, express.js, java, mongodb, and Microsoft Azure.
- Implementing automation solutions to DevOps functions for delivery to various cloud platforms.

Software Developer Intern

OpenText

Kitchener-Waterloo, ON, Canada

September 2021 – December 2021

- Used JavaScript to correct existing JSON Unit Tests, resulting in the number of passed Test Cases, increasing **from 82% to 99%**.
- Streamlined the process of executing XML Unit Tests, by creating an XML Parser in Java to extract necessary data, resulting in **execution time decreasing by 20%**.
- Integrated Java XML Parser with SQLite database, to store extracted data of XML Unit Tests and execution results.

Backend Developer Intern

Analyticly Solutions

Toronto, ON, Canada

May 2021 – Aug 2021

- Implemented 5 API endpoints in Flask to reduce response time from machine learning model to Flask API **by 40%**.
- Modularized Python code to send asynchronous web requests to Flask app, reducing Azure VM **costs by 35%**.
- Converted financial data through different units of time by satisfying the integrity of 50 Unit Tests, resulting in a **100% conversion accuracy**.
- Integrated GMail REST API with Twilio Message Service API, and Azure data pipeline to send early warning data at time intervals specified by the user.

Software Engineer Intern

RIIS LLC

Windsor, ON, Canada

Jan 2021 - Apr 2021

- Implemented object detection algorithm with Tensorflow using Convolutional Neural Networks, to identify cars in a parking lot, and achieved a **mean average precision of 89%**.
- Optimized Object Detection algorithm using Tensorflow for detecting sheep by using more than 16000 sheep images for training algorithm resulting in accuracy increasing **from 73% to 93%**.
- Integrated Java Web Services API with MySQL database, and connected API to ETA Detroit android app to view public transportation time and dates in the Detroit Metropolitan Area.

Undergraduate Research Assistant - Web Development

University Of Windsor: Department Of Bio-Chemistry

Windsor, ON, Canada

Sept 2020 - Dec 2020

- Led development in the creation of an interactive notebook for Dr. Yufeng Tong's Bio-Informatics course using: Python, Jupyter Notebook, BioPython, and NGLView.
- Utilized Protein Bank API in BioPython, to fetch data for protein images, and rendered images with a **94% accuracy**.
- Optimized Python code to display protein images, by removing protein images once rendered, thus **reducing execution time by 25%**.

SIDE PROJECTS

myschoolgrades.com

Python, pandas, numpy, matplotlib, TKinter, Yahoo Finance API

- Used Yahoo Finance API to fetch stock data, and plotted the data using matplotlib, numpy, and pandas, on a Graphical User Interface created in TKinter.

uwin.ai

Node.js, Express.js, React.js, JavaScript, HTML, CSS, MongoDB

- Currently developing a full-stack web application for the University Of Windsor's Artificial Intelligence Club on an AWS EC2 instance using: Node.js, Express.js, React.js, MongoDB, and Docker.

AWARDS AND ACCOMPLISHMENTS

2019 - 2021 Dean's Honour Roll: Received an average of 89% during freshman year, and an average of 87% during Sophomore year.

2019 - 2020 ACM ICPC Contest: Received third place in the 2019 - 2020 ACM ICPC Contest, and moved on to the Regional Competition.

2020 Google Code Jam: Received 2nd place in the Windsor Region by accumulating more than 10,000,000 points.