MOHAMMED OZAIR

(647) 679-8475 | mohammed.ozair@mail.utoronto.ca | https://www.linkedin.com/in/mohammed-ozair-24a9381b5/ |
Toronto, Ontario

EDUCATION

University of Toronto   Toronto, ON
Bachelor of Applied Science and Engineering   **EXPECTED** 06/2024
4th Year in Computer Engineering; Minors in Artificial Intelligence, Certificate in Business
Relevant Coursework: Machine Learning; Algorithms and data Structures; Operating Systems; Distributed Systems

SKILLS

- **Technical Skills**: C, C++, Java, Python, NightwatchJS, NodeJS, Docker, Linux, Git
- **IOT Technology:** RaspberryPi, Arduino
- **Cloud Technology:** AWS, Google Cloud
- **Machine Learning and Data Analysis Skills:** SQL, Pytorch, Scikit-Learn, Pandas, Numpy

WORK EXPERIENCE

Ceridian   Toronto, ON
Software Developer in Test Intern   05/2023 – Present
- Developed and automated regression and functional suites for features being released using Cucumber framework in Java.
- Analyzed automated test results and improved pass rate by 20%.
- Migrated 5% of the test cases from old test framework to new Automation framework.
- Enhancing existing code by contributing to migration of test cases from old framework to new framework.

Oracle   Toronto, ON
Software Developer in Test Intern   05/2022 – 05/2023
- Automated 100+ test cases, boosting test coverage by 10% across frontend, backend, and REST APIs.
- Proficient in Docker, Java, PHP, SQL, Redis, RabbitMQ, and NightWatchJS for efficient test automation.
- Excelled in microservices architecture, automating features and troubleshooting with bash scripting and logging.
- Enhanced a large legacy codebase with new test cases, aligning it with CI/CD best practices for improved code quality.
- Ensured production stability by conducting Smoke and Sanity Tests for major releases, contributing significantly to successful deployments through both automation and manual testing.

6ixplore   Toronto, ON
Software Developer Intern   06/2021 – 04/2022
- Populated a dataset of 7500 restaurants in Toronto which decreased the number of API calls required by the application by a 66% margin.
- Constructed a free-of-cost API solution for usage during the user testing and initial deployment phase of the application.
- Developed a collaborative filtering Machine Learning algorithm to recommend restaurants to 100+ users.
- Currently working on the Frontend and Backend of the IOS application using Swift and Firebase.

PROJECTS

Cloud Backend System for Cotton-Candy Framework   06/2023 – Present
- Designed and implemented a cloud-based backend architecture for an IoT system utilizing a LORA mesh network.
- Leveraging AWS services such as AWS Lambda, Amazon API Gateway, Amazon S3, Amazon DynamoDB, and AWS IoT Core to establish an efficient infrastructure.
- Utilized MQTT messaging protocol to seamlessly transmit data from ESP8266 devices to AWS, ensuring efficient and reliable communication.
- Developing a comprehensive Analytics, Monitoring, and Control Dashboard using Python and Flask, complemented by HTML and CSS for an intuitive user interface.