# Miten Soni

289-828-8751 | msoni099@uottawa.ca | linkedin.com/in/miten | miten7.github.io/e-portfolio/

## EDUCATION

**University of Ottawa**                                                                                                      Ottawa, ON
*Bachelor of Science in Computer Science (COOP)*                                                    *Sept. 2020 – Dec. 2024*
- GPA: 3.82/4
- 3x Merit scholarship/Dean's honor list | Kelpie Robotics (uOttawa MATE ROV) | uOGlobal | Boxing club
- Courses: Data Structures & Algorithms,OS, Design & Analysis of Algorithms, Data Communications & Networking

## TECHNICAL SKILLS

**Languages**: Python, Java, Javascript, Go, C++, C, C#, Bash, HTML, CSS, SQL.
**Frameworks**: SpringBoot, React, Angular, Thymeleaf, JUnit, MVC, OpenCV, Cypress.
**Technologies**: Kubernetes, Docker, AWS cloud, Drupal, Helm, OpenShift, Ansible, Jenkins, Firebase, CircleCI
**Certification**: Certified Kubernetes Application Developer (Udemy)

## EXPERIENCE

**Ribbon Communications | Application Server**                                                               Ottawa, ON
*Software Development Intern*                                                                           *Sept. 2023 – Dec. 2023*
- Worked in a team to prototype the migration of Ribbon's legacy Unified Communications server (Application Server) to a cloud-native environment in Kubernetes, using Helm charts and an OpenShift environment.
- Reduced microservices startup time by creating Dockerfiles to put all initialization steps into the container build.
- Configured a Certificate Authority in K8s using cert-manager to issue the needed TLS certificates.
- Removed the need for ssh keys and certs by replacing the ssh calls used to update db using a python script with a db adapter (psycopg).

**Ribbon Communications | Cloud & Edge**                                                                     Ottawa, ON
*Backend Software Development Intern*                                                                    *Jan. 2023 – Apr. 2023*
- Enabled re-use of generally-available, archived build loads for deployment to AWS CloudFront by separating deployment-specific configuration information from the web application using Angular services.
- Restructured Jenkins pipeline to support 3 more build options, enable reuse of binaries verified by the test team and reduce time needed for configuration updates to DynamoDB by 80%.
- Migrated the One Portal app to use the latest versions of AWS CDK and SDK resulting in performance improvement due to bundle size reduction by 75%.

**University of Ottawa | IT Department (Web Services team)**                                     Ottawa, ON
*Web Developer Intern*                                                                                        *May. 2022 – Dec. 2022*
- Worked as part of an agile team to upgrade the uOttawa websites and web apps from Drupal 7 to Drupal 9 with a redesigned modern theme and user-friendliness using PHP7, JavaScript, HTML and CSS.
- Migrated and integrated widgets and I-frames including OMNI, ASK chat and databases from drupal7 to drupal9 styling them to match the modern uOttawa site themes.
- Utilized Cypress tool to fully automate QA end-to-end testing for views.

## PROJECTS

**Dental Clinic Management System** | *Java, Spring, PostgreSQL, Thymeleaf, HTML, CSS*
- Designed and developed a web application for a dental clinic to manage appointment booking, dentist and patient records using Spring Web and the Model-View-Controller pattern.

**Prizm (Hack the Hill 2023)** | *React, Python, SocketIO, OpenCV, Pandas*
- Developed a web-app using React and Python to allow colour-blind users to identify the colour of any object by clicking on the live video feed from their camera and included text-to-speech output for increased accessibility.

**Rate My Prof data analysis** | *Python, Pandas, Scikit-learn, Altair*
- Performed analysis on data scraped from the RateMyProf website for uOttawa using hypotheses testing, correlation coefficients, feature selection and prediction using regression-based models to examine and report the factors that influence a student's satisfaction and the professor's rating for a course.