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 (Data science option) Sept. 2020 – present

- Relevant courses: Data Structures & Algorithms, Software Design, OS, Design & Analysis of Algorithms
- Merit scholarship/Dean's honor list: Winter 22, Fall 22 | uOGlobal | Boxing club

EXPERIENCE

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 the Jenkins pipeline to support 3 additional build options, providing the traditional delivery approach to 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%.
- Set-up Single-Logout with Salesforce as the identity provider and AWS Cognito acting as the service provider.

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.
- Responded to high priority tickets involving changes to fix web app security weaknesses and web content changes.
- Utilized Cypress tool to fully automate QA end-to-end testing for views.
- Used bash scripting to enable execution of existing pa11y scripts on DDEV.

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 in under 20 hours 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.

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.

Byblos Mobile Application | *Java, Android Studio, Git, Firebase, CircleCI*

- Designed and built an android application as part of a team for a car/truck rental business with 3 authenticated user types: admins, branch employees and customers focusing on OOP concepts and using UML for design.

TECHNICAL SKILLS

Languages: Python, Java, Go, Javascript, Bash, HTML5, CSS3, SQL.
Frameworks: SpringBoot, React, Angular, Thymeleaf, JUnit, MVC, OpenCV, Cypress.
Technologies: AWS (CloudFront, CloudFormation, S3, DynamoDB, Cognito), Drupal, Docker, Kubernetes, Jenkins, Firebase, CircleCI, Postgres, MySQL, OpenStack, Ansible.
Developer Tools: Git, Jira, Confluence, Visual Studio, Android Studio, Jupyter Notebook.