

Mouiz Ahmed

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Skills

- Languages** • Java • Python • JavaScript/TypeScript • HTML/CSS • C • C# • C++ • SQL
- Tools & Frameworks** • React • NodeJS/ExpressJS • Angular • Selenium • Cucumber • Bash • Maven/Gradle • MATLAB
- Cloud Computing** • Microsoft Azure • AWS • Selenium • Google Cloud Platform
- Dev Ops** • Unit • Performance • Regression • Integration Testing • CI/CD • Agile • Git • Jira • Database Design
- Soft Skills** • Problem Solving • Organization • Communication • Data Analytics • Teamwork • Leadership

Work Experience

Ericsson

Ottawa, Ontario

5G SOFTWARE DEVELOPER CO-OP

Sept. 2023 - April 2024

- Collaborated with cross-functional teams at Ericsson to develop, enhance, and execute automated and manual test cases for 5G technologies using Java, aligning with the company's standards for innovation and reliability.
- Engaged in continuous learning and application of cutting-edge technologies in 5G, machine learning simulations, and software tools development to support Ericsson's mission in leading the global transition to 5G.
- Designed and implemented a Python script to automate the management of cell and sector activities on nodes, including powering off radios and disabling eNodeBs/gNodeBs during off-peak hours, significantly reducing energy consumption and increasing energy efficiency at Ericsson.

Chatbase

Toronto, Ontario

SOFTWARE DEVELOPER (CO-OP)

May. 2023 - Aug. 2023

- Improved documentation of RESTful APIs, including endpoints, request/response structures, and authentication mechanisms, for seamless integration and efficient utilization by third-party developers.
- Implement chatbot integration into Shopify and Wix platforms, enhancing user engagement and driving sales by enabling automated and personalized customer interactions.
- Implemented a Zendesk API-integrated customer support page, boosting usability and accessibility.

York University - Lassonde School of Engineering

Toronto, Ontario

ACADEMIC PEER SUPPORT (WORK-STUDY)

Sept. 2021 - Dec. 2021

- Mentored and supported new students, facilitating their transition into university life and fostering a sense of belonging on campus – resulting in a 25% improvement in academic performance.

Education

York University - Lassonde School of Engineering

Toronto, Ontario

B.ENG SOFTWARE ENGINEERING

Sep. 2020 - Present

Projects

CatchGPT | AI Text Detection Application

Mar. 2023

WEB APPLICATION (PYTHON, FLASK, HUGGING FACE API, PYTORCH, NUMPY, HTML/CSS, JQUERY)

- A web tool that allows educators to determine if a piece of text was AI-generated with 90% accuracy.
- Calculates the perplexity per sentence, and burstiness via Hugging Face's pre-trained GPT2 model.
- Provides text metrics and graphs for a holistic approach to plagiarism detection.

FlashStudy | Flashcard Study Application (Team Project)

Jan. 2023 - Apr. 2023

JAVA SWING APPLICATION (JAVA, MAVEN, MVC ARCHITECTURE, JDBC, MYSQL DATABASE, OPENAI API, CIRCLECI)

- Implemented AI with OpenAI's GPT-3.5 for definition autocompletion, fact-checking, and quiz generation.
- Automated build, testing, and deployment processes using CircleCI for seamless development (CI/CD).
- Followed Agile throughout its development lifecycle, leading to an improved workflow and delivery.

Course Review Application

Hamilton, Ontario

FULL-STACK WEB APPLICATION (HTML, CSS, NODEJS, EXPRESSJS, REACTJS, MYSQL DATABASE)

Feb. 2021

- Users can create an account to view and delete their posted reviews, via JSON Web Token Authentication.
- Designed a MySQL Schema and EER Diagram based on the application's requirements.