

Mouiz Ahmed

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 Toronto, ON | Software Developer

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SKILLS

Programming Languages: Java, Python, HTML/CSS, JavaScript, SQL, C/C++, MATLAB

Tools & Frameworks: Git, React, NextJS, NodeJS, ExpressJS, React Native, MongoDB, Firebase, AWS, Bash/zsh, Agile

EDUCATION

B.Eng Software Engineering Co-Op

09.2020 – Present

York University — Lassonde School of Engineering, Toronto, CA

EXPERIENCE

Academic Peer Support

09.2021 – 12.2021

York University — Lassonde School of Engineering, Toronto, CA

- Assisted new students make a smooth transition into university life at York University via delivering professional and interactive mentorship lessons to student groups of 5-15.
- Shared personal and insightful experiences, provided referrals to campus resources, hosted events and workshops.
- Employed various communication and leadership skills to provide an effective presentation and facilitation of meaningful group discussions.

PROJECTS

Course Review Application

[View Project](#)

Web Application (HTML, CSS, NodeJS, ExpressJS, ReactJS, MySQL)

- Each review is categorized by its school, faculty, course and professor which are stored within a MySQL database.
- Users can create an account to view and delete their posted reviews, implemented using JSON Web Token.

ponderful. | Group Decisions Application

[View Project](#)

Web Application (HTML, CSS, NodeJS, ExpressJS, ReactJS, MongoDB)

- Users can create a shareable unique session and generate a pool of options for their friends to pick from.
- Each session is uniquely identified by a UUID stored within MongoDB and linked to their corresponding option pool.
- The user picks between two options until a final selection is made followed by listing the popularity of everyone's votes.

CatchGPT | AI Text Detection Application

[View Project](#)

Web Application (Python, Flask, Hugging Face API, PyTorch, NumPy, HTML/CSS)

- A web tool that allows educators to determine if a piece of text was AI generated.
- Calculates the perplexity per sentence, and its variation (burstiness) using Hugging Faces pre-trained GPT2 model.
- Based on these parameters, it determines if the text was AI generated, partially AI generated, or entirely human made.
- Note* Results may not be entirely accurate in determining AI generated text and should be used in a holistic approach.
- In the future, I plan on training my own model on various types of texts (Human/AI generated) for more accurate results.

FlashStudy | Flashcard Study Application

[View Project](#)

Java Swing Application (Java, Maven, MVC Architecture, JDBC, MySQL, OpenAI-Davinci, CircleCI)

- A comprehensive flashcard study system to help users learn and retain information efficiently.
- Integrates AI using OpenAI's text-davinci-003 model for definition autocompletion, fact check, and quiz question generation.
- Utilized CircleCI to automate its build, test, and deployment processes (CI/CD).
- This group project implemented the Agile methodology throughout its development lifecycle.
- Extensive JUnit testing and documentation that follow best practices and industry standards.