

# Mustakim Kazi

(647)-994-5458 | [mustakimkazi10@gmail.com](mailto:mustakimkazi10@gmail.com) | [mustakimkazi.dev](https://mustakimkazi.dev) | [linkedin.com/in/mustakimk](https://linkedin.com/in/mustakimk) | [github.com/mustakimk](https://github.com/mustakimk)

## EDUCATION

### McMaster University

Hamilton, ON

*B.A.Sc Honours Computer Science Co-op*

*April 2025*

- **Awards:** Deans list 2022, Engineering Award of Excellence; 95% Average; \$3000 Scholarship
- **Relevant Coursework:** Data Structures and Algorithms, Operating Systems, Computer Architecture, Automata and Computability, Concurrent Systems, Principles of Programming Languages, Information Security

## PROJECTS

### Portfolio Website | *JavaScript, Node.js, HTML, CSS, Vite*

- Developed a personal portfolio website to showcase my full-stack development skills and projects leveraging JavaScript, Node.js, and Vite for an efficient development workflow; hosted on GitHub Pages.
- Implemented responsive design principles to ensure the website's accessibility on various devices. Utilized JavaScript to enhance interactivity and user experience.

### Halal Scanner | *Kotlin*

- Developed a Kotlin-based Android app to help users comply with certain dietary restrictions, utilizing Google's ML Kit Vision for scanning and real-time data fetching from the Open Food Facts API.
- Utilized Android Room for efficient local data management, enabling the storage of product status and images for up to 100 items in the user's history.

### MKShell | *C*

- Developed a custom UNIX shell in C with essential command-line operations and a command history feature, showcasing strong system programming skills and UNIX/Linux proficiency.
- Implemented comprehensive error handling and signal processing, ensuring robust system operation and user command feedback.

### Rinvest | *JavaScript, Firebase, Node.js, HTML, CSS*

- Developed a platform at a 24-hour hackathon that enables small businesses and entrepreneurs to pitch ideas to investors, showcasing rapid development and teamwork to integrate a user-friendly interface.
- Played a key role in designing the frontend and collaborating on Firebase backend integration, achieving a balance of technical proficiency and aesthetic appeal under tight deadlines.

### Game Server Rolling Backup | *Python, Docker*

- Developed a Dockerized Python utility to automate game server backups, with settings for users to determine how often backups occur and how long they are kept.
- Used Poetry for dependency management and streamlined testing processes with Pytest to ensure reliable backup operations.

### Spy Network Communication System | *Java*

- Developed a Java-based secure communication system for a university assignment, simulating encrypted data exchange within a spy network, showcasing strong software design and OOP skills.
- Implemented 4 design patterns, including Singleton, Observer, and Decorator, deepening my understanding of effective software architecture and design principles.

## EXTRACURRICULARS

### Computer Science Society Year One Representative

Hamilton, ON

*McMaster University*

*Sept 2021 – April 2022*

- Elected as the voice of the first-year CS student body at McMaster University, actively engaging with peers to plan and promote events and networking opportunities.
- Improved student life through regular communication with students, organizing CS-related events, and communicating vital information at lectures.

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, Java, Kotlin, HTML, CSS, C, Haskell, Prolog, SQL

**Frameworks & Libraries:** Node.js, React, Docker, MongoDB, Express, Firebase

**Tools & Technologies:** Windows, Linux, Git, Github, VS Code, Jupyter, IntelliJ, Eclipse, Vite, Postman