

# Maarij Fatima

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## HIGHLIGHTS OF QUALIFICATIONS

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- Currently enrolled in 3<sup>rd</sup> year of Honors Computer Science Co-op at McMaster University.
- Strong analytical and problem solving skills established through course work and project work
- Excellent teamwork skills developed while working as a summer intern at Bitnobi Inc.

## EDUCATION

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### McMaster University

Hamilton, ON

*Bachelor of Applied Science in Honors Computer Science Co-op*

*Sep. 2019 – May 2023*

- Relevant courses include: Algorithms, Data structures, Discrete math, Databases, Principles of programming, Communication skills
- Elective courses: Data mining, Information security and Statistics

## EXPERIENCE

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### Bitnobi Inc

May – Aug 2021

*IT intern*

*Toronto, ON*

- Built 20 use cases for the Tehama-Bitnobi data trust platform that have been demonstrated to the Department of National Defense and IRCC. Use cases involved writing scripts in Python, R.
- Built and managed databases using MySQL for the data-trust use cases.
- Created, filmed and edited end to end demonstration videos for technological marketing of the Tehama-Bitnobi data trust platform.
- Collaborated with the head of product design to conduct research for the data trust platform and interviewed several end user candidates in different industries to better understand their data requirements.

## PROJECTS

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### Web Development | *Javascript, CSS/HTML, django, python, React*

- Created a personal portfolio website to display projects and coursework using Javascript, CSS/HTML.
- Developed a social media webpage using django, python that allows users to create accounts, make posts and add friends.
- Built an interactive Netflix clone using React and javascript.

### Games | *Python, Java*

- Built a sudoku game solver using python.
- Created a rock paper scissor game solver that can identify the winner from multiple tournaments.
- Recreated the popular 2048 game in Java with an interactive GUI.

### Management systems | *Java*

- Built a school registration system for course management.
- Created a Car insurance management system.

### Maths | *Haskell, NASM*

- Developed a program that implements standard operations over Gaussian integers.
- Created a derivative calculator that simplifies the derived functions.
- Created an integral calculator that calculates the value of a definite integral using the trapezoidal rule.

## TECHNICAL SKILLS

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**Languages:** Java, Python, SQL, JavaScript, HTML/CSS, R, Haskell, Bash scripting, LaTeX

**Frameworks:** React, Node.js, JUnit, Django

**Developer Tools:** Git, VS Code, IntelliJ, AWS