



# Muneeb Hashmi

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## Education

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### University of Toronto

Honours Bachelors of Science, Sept. 2016 - Dec. 2020

**Major:** Specialist in Data Science & Machine Learning | **Minor:** Computer Science

**Significant Courses:** Software Design, Data Structures, Intro to Software Engineering, Design and Analysis of Algorithms, Intro to Database Management Systems, Advanced Machine Learning

## Skills

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**General:** Java, Python, C#, C++, R, Excel, NumPy, Java Spring Boot, Git, RESTful APIs, Jira, Agile Methodologies

**Web Development:** HTML, CSS, JavaScript, React, Node.js

**Database Technologies:** SQL, MySQL, PostgreSQL, MongoDB, Neo4J, GraphQL

## Experience

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### University of Toronto - Web Developer

May 2020 - Aug 2020

- Paginated 500+ images using **HTML, CSS, and JavaScript** to reduce image loading time in addition to developing filter features varying by search, checkboxes, and dropboxes updating the photos instantly
- Designed efficient database schemas and tables with **MySQL** using a MAMP server increasing back-end runtime performance by 40%
- Thoroughly tested 50+ back-end methods in JavaScript using **Postman** resolving 25+ bugs every month with code fixes

### Hatch Coding - JavaScript Instructor

May 2019 - Aug 2019

- Responsible for teaching JavaScript along with managing groups of 6 students
- Engaged in pair programming with students for further and better understanding resulting in a 17% increase on their grades. Received award in recognition of taking initiative
- Evaluated students' progress using Hatch's website for comprehensive feedback resulting in an increase of overall interaction between students and instructors by 50%

## Projects

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### Fanlinc Website - Python, Flask, SQL

<https://github.com/MuneebH/Fanlinc>

- Developed a full stack website as part of a team project using **Agile methodologies** with a **SCRUM** team resulting in a successful functional website that connects both the front end with the back end
- Implemented the website using a **MVC architecture pattern** for clean, readable, and efficient code quality
- Lead **sprint planning sessions** with the scrum master using **JIRA** to identify feature requirements and translate them into detailed **user stories** for the team that helped resolve 80+ user issues.

### Music Application - Java Spring Boot, MongoDB, Neo4J

<https://github.com/MuneebH/SongApplication>

- Developed a **back-end Java REST API** using **2 microservices** with Java Spring that communicated with each other to accomplish specific use-cases
- Implemented database methods in each respective service in Spring that connected MongoDB and Neo4J
- Used Postman to test HTTP requests and responses for 10+ different methods for each service

### Grocery Application - Java

<https://github.com/MuneebH/SalesApplication>

- Collaborated with a SCRUM team of 4 to create a text-based Sales Application using Java
- Implemented the project with **SOLID** and **OOP principles** to create different types of users using interfaces and classes.
- Created unit tests using the JUnit framework across 5 different classes and 20+ methods

## Extra-Curricular

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- **Competitions:** UTSC SickKids Foundation Hackathon (came **2nd place** with a team of 3)
- **Volunteering:** UTSC SickKids Foundation (managed and kept digital track of the foundation as a bookkeeper)
- **Interests:** Playing and watching sports (NBA, NHL, Soccer), travelling, gaming, drawing/painting