

# Muhammad Usman

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## Education

### Memorial University of Newfoundland

Bachelor of Science in Computer Science (3rd Year)

Sep 2021 - Present

## Skills

**Languages:** Python, Java, C, JavaScript, TypeScript, HTML, CSS, R, SQL

**Web Development:** React.js, Node.js, Express.js, Next.js, Bottle.py, RESTful APIs

**Databases & Cloud Services:** MongoDB, Mongoose, SQLite, PostgreSQL, MySQL, AWS

**Tools:** Git, GitHub, Visual Studio Code, PyCharm, Eclipse, Postman, Unreal Engine, Selenium

## Experience

### Full Stack Developer | Muslim Students' Association at Memorial University

Mar 2024 - Present

- Utilized Next.js and TypeScript within an Agile team to develop an efficient and scalable web application.
- Leveraged React.js for optimized state management and organized component architecture.
- Currently working to integrate PostgreSQL for efficient and reliable data storage and retrieval.
- Contribute to team meetings by offering insights and suggestions to improve website functionality and user experience.

### Stock Unloader Associate | Walmart

Feb 2024 - Present

- Perform daily store operations by unloading trucks and organizing inventory.
- Provide exceptional customer service whenever necessary, enhancing the overall shopping experience.

### Sponsorship Coordinator | Hack Frost NL

Sep 2023 - Present

- Presented compelling sponsorship packages to attract corporate investors, significantly enhancing our hackathon's value and experience.
- Secured a \$2000 sponsorship through effective outreach efforts to potential investors for our Winter 2024 hackathon.

## Projects

### Book Mart | React.js, Node.js, Express.js, MongoDB, RESTful APIs | Github Repository

May 2024

- Solely developed Book Mart, a comprehensive web app enabling users to discover and purchase books seamlessly.
- Implemented reliable backend with Node.js, Express.js, and MongoDB for efficient data management.
- Integrated Open Library API to swiftly search and add books to the cart in Book Mart.

### FlyFetch | Python, Selenium, BeautifulSoup | Github Repository

May 2024

- Developed a Python-based flight data scraper to extract flight information from Kayak based on user-specified parameters.
- Implemented scheduled scraping functionality to fetch flight data every 5 hours.
- Configured email notifications to send the latest data to specified recipients.

### Sign Language Detector | Python, TensorFlow, OpenCV, CVzone | Github Repository

Apr 2024

- Implemented a Python-based sign language detection system with Google Teachable Machines and TensorFlow for real-time gesture recognition, aiding people with hearing and speaking difficulties.
- Utilized CVzone for robust hand tracking and classification, enabling seamless data collection and accurate sign language interpretation.

### NoteNest | React.js, Node.js, Express.js, MySQL | Github Repository

Dec 2023

- Developed a comprehensive full-stack note-taking application using React.js.
- Efficiently managed events such as note creation and deletion, demonstrating skill in React event management.
- Implemented MySQL for efficient data storage, highlighting strong data manipulation skills.

### Opinion Exchange | Python, Bottle.py, SQLite, JavaScript | Github Repository

Dec 2023

- Developed a versatile forum website for tech team reviews and discussions as part of an academic team project.
- Utilized the Bottle framework in Python and SQLite for server-side management and data storage.
- Conducted unit testing using Python's unittest framework and used Postman for server testing.

## Certificates

**Udemy** | AWS Certified Cloud Practitioner CLF-C02

Jun 2024 - Present

**Udemy** | The Complete 2023 Web Development Bootcamp | Certificate

Dec 2023