

# Rabbani Alam

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## Experience

### **CoLab Software**

January 2022 - December 2022

*Full Stack Developer (Intern)*

*Language: ReactJS, Python, GraphQL, PostgreSQL*

- Improved the existing Python Flask JS React stack by implementing customer facing feature requests, debugging and refactoring code.
- Utilized Apollo to generate GraphQL schemas, enabling efficient query processing for data retrieval from a PostgreSQL database.
- Designed and developed at least 70 scalable React components that were utilized for the successful launch of CoLab 2.0, the latest version of the web application.
- Created unit tests using Jest testing framework for all the components and features that I developed, to catch and remove any bugs or errors before they made it into production.
- Conducted extensive research to evaluate and build a resilient high-level architecture and played an active role in design decisions.
- Analyzed the technical feasibility of UI/UX designs using Figma.

### **Aspira Women Health Inc.**

February 2020 - May 2021

*Order Portal development: Freelance project*

*Language: ReactJS, Typescript for backend with repository pattern, MongoDB*

- Developed an order portal for Aspira Women Health Inc. by collaborating with a registered sole proprietorship company in Bangladesh named Flux It (<https://fluxit.tech/>).
- Maintained effective international communications with the team in Bangladesh, by means of various web-based communication platforms such as Zoom and Git as the primary version control system.
- Designed and implemented the order portal as per the client's instructions using strong proficiency in ReactJS and CSS.
- Generated and maintained API keys using Postman for customer profile, connecting the order portal with the cloud MongoDB database.

## Skills

### **Programming Language and Frameworks**

#### **Highly proficient in:**

ReactJS, JavaScript, Python, HTML5, CSS, Node.js, JSON, GraphQL, REST API, Bootstrap, Jest

**Proficient in:** Java, Mocha

### **Database Management System**

**Highly proficient in:** PostgreSQL, MongoDB

**Proficient in:** SQLite

### **Integrated Development Environment (IDEs)**

Visual Studio Code, Eclipse, Atom, Spyder

### **Operating Systems**

**Highly proficient in:** Windows, MacOS

**Proficient in:** Linux

## Education

### **Bachelor of Science, Computer Science**

May 2018 - Present

Expected Graduation:

August 2023

Memorial University of

Newfoundland, St. John's, NL

### **Completion of: The Complete 2020 Web Development Bootcamp**

Udemy, Instructor: Dr. Angela Yu

Date completed: May 2023

## Awards

**2nd Place in Hacking Mount Pearl 2022**

## Summary of Projects

- **[Personal Website](#)**

I have created a personal website using a combination of Bootstrap, React, and various React packages such as react-particles and EmailJs. The website showcases my skills and projects, allowing visitors to learn more about me and get in touch.

- **[The IMDB project](#)**, *Personal project*;

*Technologies: HTML, CSS, Bootstrap, JQuery, NodeJS, Mongoose, MongoDB*

This project uses an IMDB dataset containing movie and tv show details. A user can create an account, login, manage their account and play trivia questions based on movies and Tv shows which uses a third party api.

- **Malefiz**, *Course project*;

*Technologies: Java, Java Swing*

This is a software application that simulates a 4-player board game named Malefiz, developed through a collaborative effort involving four group members. The graphical user interface (GUI) is implemented using Java Swing and AWT class objects. The game includes a computer-based artificial intelligence (AI) system, and the game's difficulty level can be adjusted by the player.